



COUNTY BOROUGH OF NEWPORT

PUBLIC HEALTH COMMITTEE

ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

for the year

1971

CONTENTS

	Page
Public Health Committee 	2
Housing Committee 	2
Staff 	3
Introduction 	7
Section A. Statistics and Social Conditions of the Area ...	10
Discussion of Stillbirths and Infant Deaths ...	12
Infant Mortality 1908 - 1971 ...	15
Discussion of Deaths 	16
Section B. General Provision of Health Services for the area ...	19
Care of Mothers and Young Children ...	19
Midwifery 	24
Health Visiting 	25
Home Nursing 	27
Vaccination and Immunisation ...	28
Ambulance Service 	32
Prevention of Illness, Care and After Care ...	28
B.C.G. Vaccination 	29
Tuberculin Testing 	29
Chiropody Service 	32
Cardiac List 	33
Smoking and Lung Cancer 	17
Health Education 	34
Ascertainment of Deafness 	25
Drug Abuse 	35
Dental Service 	36
Local Health Services under Part II, National Health Service Act, 1946 	33
Section 3. Provision of Hospital and Specialist Services ...	34
Cytology Service and Family Planning ...	34
Section C. Prevalence of and Control Over Infectious and Other Diseases ...	37
Section D. Sanitary Circumstances of the Area ...	40
Newport Rainfall 	41
The Administration of the Factories Act, 1961 - Part I of the Act 	42
Section E. Inspection and Supervision of Food ...	43
Report by the Chief Public Health Inspector ...	45
Report by the Public Analyst 	56
Acknowledgements 	58
Tables Relating to Services Provided by the Local Health Authority ...	59

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COUNTY BOROUGH OF NEWPORT

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(Part-time)

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G.H. LAVENDER, Cert. R.S.H. and P.H.I. Joint Board 1 and 2

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D. HINDLEY

A. DAVEY

R.D. JONES

1. Meat and other Foods Certificate, Royal Society of Health.
2. Diploma in Atmospheric Pollution, Royal Society of Health.
3. Certificate in Sanitary Science, Royal Society of Health.
4. Final Examination in Estate Management, Institute of Housing

CHIEF NURSING OFFICER:
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Superintendent Health Visitor - WINIFRED G. HUMPHREYS, S.R.N., S.C.M., H.V.

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EDITH M. WILSON, S.R.N., S.C.M.

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MIDWIVES:
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SUPERINTENDENT HOME NURSE:
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DEPUTY SUPERINTENDENT:
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SOCIAL WORKERS:

SARAH M. GOBLE, DIP. SOCIOLOGY

PUBLIC ANALYST:

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RECEPTIONIST - OLWYN G. CURTIS

INTRODUCTION

To the Chairman and Members of the Public Health Committee.

Mr. Chairman, Ladies and Gentlemen,

I beg to submit my Annual Report for the year 1971.

* * * * *

CAPITAL PROGRAMME FOR THE 5 YEARS 1970/71 - 1975/76

The Council have approved the Local Health Authority's recommendations for the 5 year Capital Programme as follows -

Health Centre Ringland (Multi-purpose Building) - £59,000.

During the year Bettws Health Centre was opened. It is strategically situated in a new housing area and provides a comprehensive range of Health Service facilities.

In addition to the three Consulting Suites for General Medical Practitioners the full range of Local Health Authority's Services are provided including Doctors and Midwives Clinics, Ante Natal Clinics, Infant Welfare Clinics, Sale of Welfare and Proprietary Foods, Cytology, Chiropody and Health Education Classes, etc. School Health Facilities will be provided in the form of a Dental Suite and a Minor Ailments Treatment Centre.

The building was designed in the Department of the Borough Architect, L.W. Desmond Wall, Dip. Arch. (Dist.) A.R.I.B.A.

This Health Centre is the first to be provided by Newport under the provisions of the National Health Service Act 1946.

ATTACHMENT OF NURSING STAFF TO GENERAL MEDICAL PRACTITIONERS' PRACTICES

51 General Medical Practitioners have accepted attachment of Nursing Staff and at the end of the year 34 staff were working within attachment schemes.

CO-ORDINATION OF HOSPITAL AND COMMUNITY SERVICES FOR HANDICAPPED CHILDREN

During the year 15 severely physically or mentally handicapped children were discussed at the bi-monthly meetings, each child on average being discussed on 3 occasions. The value of such discussions covering medical, educational and social aspects concerning these children can be gauged by the following recommendations made by the Committee and subsequently put into effect by the Departments concerned:-

3 cases were referred for treatment at the Authority's Eveswell Hydrotherapy and Physiotherapy Unit.

2 cases were recommended for admission to the Gaer Delicate Unit.

2 cases were recommended for admission to the Gaer Assessment Unit.

1 case was recommended for admission to a residential school for the physically handicapped.

3 cases were recommended for admission to Nursery School.

1 case was recommended for admission to the Westfield School for the Mentally Handicapped.

Arrangements were made for Physiotherapy treatment to be given by staff of Eveswell Physiotherapy Unit at the Gaer School for Delicate Children.

FLUORIDATION OF WATER SUPPLIES

This subject was once again considered by the Health Committee and Council but the previous decision that no action be taken was confirmed.

EMPLOYMENT OF EPILEPTICS AND THE MENTALLY ILL

As a result of discussions with representatives of the Newport and District Disablement Advisory Committee, the Council accepted a recommendation that a number of persons suffering from

Epilepsy or who were mentally ill should be attached to the Health Department supernumerary to the establishment in order to assess their employment potential. The scheme commenced in April, 1971, and six persons, all males, were employed. In agreement with the Department of Health and Social Security and with the Department of Employment and Productivity together with the Disablement Resettlement Officer, a weekly allowance was paid to each man such allowance being disregarded insofar as any allowances the men were receiving from the Department of Health and Social Security. After a very short period of time in the Department one man left of his own accord, but the remaining five are still engaged on duties for the Health Department and other Departments of the Corporation being employed for 20 hours per week. At the moment it has not been possible to place any one of these men in full time employment although I am pleased to say that the encouragement they have received leads me to the opinion that some are capable of full time employment under supervision.

The Mayston Report on the Management Structure of the Local Authorities Nursing Services.

In my Annual Report for 1970, I set out the proposed structure for the Nursing Services in Newport, and I am now able to state that it has been agreed that this structure will be introduced from 1st April, 1972, providing for three levels of Nursing Management, namely top, middle and first line. As far as Newport is concerned the mode of operation and control at both middle Management Level and top Management level will be geographical, but that at the level of first line Management the mode of operation and control will be functional.

Proposed Domiciliary Physiotherapy Services.

I very much regret to have to record that the Secretary of State for Wales refused this Authority's application to introduce a Domiciliary Physiotherapy Service, the reason given by the Secretary of State being that in his opinion this service fell within the scope of the Hospital Specialist Service, and that as there is a serious shortage of Physiotherapists, the Secretary of State felt that better use could be made of the available manpower if patients visited the hospitals to receive treatment.

Despite representations made to the Secretary of State the decision to refuse consent was adhered to, and therefore, Newport Residents are to be deprived of this vital service.

MEASLES

In the second half of 1970 the drive to encourage vaccination against measles was commenced and this continued in 1971. The results have so far not been as encouraging as one would hope - if measles is to be controlled complete vaccination in childhood is essential.

RUBELLA VACCINATION

Vaccination against Rubella is now offered to girls between the ages of 11 and 14 years regardless of the fact whether or not they have previously had Rubella. Most of this group have now been protected and new entrants to secondary schools will be offered vaccination each year.

CONGENITAL MALFORMATIONS

The Scheme for the notification of congenital defects apparent at birth is proceeding satisfactorily: These defects are notified on the same form as the notification of birth and from this information the return of Congenital Malformations is made to the Registrar General. 'At Risk' conditions are also recorded and a register for the follow-up of these children is maintained.

Congenital Malformations notified were - Achondroplasia 1, Anencephalus 4, Cleft Palate 1, Congenital heart 1, Down's syndrome (mongolism) 1, Hare lip 1, Hydrocephalus 2, Hydrops 1, Hypo-spadias 1, Malformations of ear 1, Malformations genital organs 2, Malformations of upper limb or shoulder 1, Microcephalus 1, Multiple congenital abnormalities 3, Pigmented naevus 2, Polydactyly 2, Reduction deformity of hand or arm 1, Reduction deformity of leg or foot 1, Spina bifida 2, Talipes 2, Unspecified limb malformations 2, Unspecified malformations of brain or spinal cord 1. Total 34.

APPLICATION FOR HOUSING ACCOMMODATION

182 visits were made by medical officers to report on applications for Council accommodation or for transfer to other Council accommodations, where medical reasons were given in support of the applications.

In 140 of the cases the medical factors were such as to warrant recommending to the Housing Manager that varying degrees of priority on the waiting list should be given to the applicant.

The medical reasons in 7 cases were not sufficient to justify any priority, but a recommendation for priority was given for social reasons.

In 35 cases there were insufficient medical reasons to support a recommendation for priority.

SECTION A.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

	1970	1971
Area (in Acres) ...	11,675	11,675
Registrar General's estimate of home population, mid year	111,780	111,810
Number of inhabited houses (end of year) according to Rate Books	35,983	36,201
Rateable Value ...	£5,599,400	£5,675,874
Sum represented by a penny rate ...	£23,110	£48,522
Live Births -		
Number ...	1,907	1,941
Rate per 1,000 population ...	17.1	17.4
Illegitimate live births per cent of total live births	8.0	9.0
Stillbirths -		
Number ...	27	22
Rate per 1,000 total live and still births	14	11.0
Total live and still births ...	1,934	1,963
Infant Deaths (deaths under 1 year) ...	37	41
Infant Mortality Rates -		
Total infant deaths per 1,000 total live births	19	21.0
Legitimate infant deaths per 1,000 legitimate live births	19	23.0
Illegitimate infant deaths per 1,000 illegitimate live births	25	Nil
Neonatal Mortality Rate (deaths under 4 weeks per 1,000 total Live Births) ...	10.0	15.0
Early Neonatal Mortality Rate (deaths under 1 week per 1,000 total live births) ...	8	14.0
Perinatal Mortality Rate (still births and deaths under 1 week combined per 1,000 total live and still births)	22.0	25.0
Maternal Mortality(including abortion) -		
Number of deaths ...	Nil	Nil
Rate per 1,000 live and still births ...	Nil	Nil
Deaths - Number ...	1,300	1,285
Rate per 1,000 population ...	11.6	11.5

POPULATION

Newport's population showed an increase of 30 during the year from 111,780 to 111,810 according to the Registrar General's estimate. Births were 1,941 as compared with 1,907 for the previous year, and deaths 1,285 as compared with 1,300 so that the natural increase of births over deaths was 34. Since 1951 births have totalled 38,492 and deaths 24,377 a natural increase of 14,115, although the population has increased in the same period only from 104,800 to 111,780 an increase of 6,980.

BIRTHS AND INFANT DEATHS

LIVE BIRTHS

		<i>Male</i>	<i>Female</i>	<i>Total</i>
Legitimate	...	937	832	1,769
Illegitimate	...	103	69	172
TOTAL	...	1,040	901	1,941

STILL BIRTHS

Legitimate	...	12	9	21
Illegitimate	...	1	-	1
TOTAL	...	13	9	22

DEATHS OF INFANTS UNDER ONE YEAR OF AGE

Legitimate	...	21	20	41
Illegitimate	...	-	-	-
TOTAL	...	21	20	41

DEATHS OF INFANTS UNDER FOUR WEEKS OF AGE

Legitimate	...	17	12	29
Illegitimate	...	-	-	-
TOTAL	...	17	12	29

DEATHS OF INFANTS UNDER ONE WEEK OF AGE

Legitimate	...	15	12	27
Illegitimate	...	-	-	-
TOTAL	...	15	12	27

BIRTHS

Newport's births for the year were 1,941 as compared with 1,907 for the previous year, and representing a rate of 17.4 as compared with 17.1 for 1970. The area comparability factor by which Newport's rate has to be multiplied to make it comparable with that for England and Wales is 1.00, which indicated that at the child bearing ages Newport has the same population proportionately as England and Wales. Thus Newport's birth rate is 17.4 as compared with a provisional birth rate for England and Wales for 1970 of 17.1.

STILL BIRTHS

Newport's still births for the year were 22 as compared with 27 for the previous year and representing a rate of 11.0 as compared with 14.0. The provisional still birth rate for England and Wales for 1971 is 12.0.

INFANT DEATHS

Newport's infant deaths for the year were 41 as compared with 37 for the previous year and representing a rate of 21.0 as compared with 19.0. The provisional infant death rate for England and Wales for 1970 is 18.0.

DISCUSSION OF STILLBIRTHS AND INFANT DEATHS

The 41 infant deaths listed according to the International Classification of Diseases, and divided by sex, are shown in the following table.

Cause	Sex	Under 4 Weeks	4 Weeks and under 1 year
Enteritis and other diarrhoeal diseases	M	-	1
Measles ...	M	-	1
Meningitis ...	F	-	1
Pneumonia ...	M	-	2
	F	-	4
Congenital Anomalies ...	M	6	-
	F	3	2
Other Diseases of Respiratory System	F	-	1
Other causes of perinatal mortality ...	M	3	-
	F	5	-
Birth Injury, difficult labour etc. ...	M	8	-
	F	4	-
TOTAL ALL CAUSES ...	M	17	4
	F	12	8

The 168 births of babies of 5lb. 8oz. and under, the 42 twins, the 22 stillbirths, the 27 deaths of babies aged 0 - 1 week, and the 2 deaths of babies aged 1 - 4 weeks, are brought together in the following table. These categories overlap and any baby coming into more than one category is shown in each.

PREMATURITY, TWINS, STILLBIRTHS AND INFANT DEATHS

168 5lb. 8oz and under	21 3lb.4oz. and under	including 7 stillbirths, 11 deaths 0 - 1 week
	24 3lb.5oz. to 4lb. 6oz.	including 3 deaths 0 - 1 week and 4 stillbirths
	35 4lb.7oz to 4lb.15oz.	including 4 stillbirths and 3 deaths 0 - 1 week
	88 5lb. to 5lb.8oz.	including 2 stillbirths and 4 deaths 0 - 1 week
42 twins	3 3lb.4oz. and under	
	3 3lb.5oz. to 4lb.6oz.	
	3 4lb.7oz. to 4lb.15oz.	
	11 5lb. to 5lb.8oz.	
	22 5lb.9oz. and over	including 1 stillbirth
22 stillbirths	7 3lb.4oz and under	
	2 3lb.5oz. to 4lb.6oz.	
	5 4lb.7oz to 4lb.15oz.	
	2 5lb. to 5lb.8oz.	
	6 5lb.9oz. and over	including 1 twin
27 deaths 0-1 week	12 3lb.4oz. and under	including 2 twins
	3 3lb.5oz. to 4lb.6oz.	
	2 4lb.7oz. to 4lb.15oz.	
	4 5lb. to 5lb.8oz.	
	6 5lb.9oz. and over	
2 deaths 1-4 weeks	2 5lb.9oz. and over	

Here again the importance of low birth weight as a cause of infant mortality is clearly shown. If the still births and neonatal deaths are grouped according to birth weight, and stillbirth rates and neonatal death rates for each group are calculated, the results obtained are as shown in the following table.

STILLBIRTHS AND NEONATAL DEATHS GROUPED ACCORDING TO BIRTH WEIGHT

	3lb. 4ozs. and under	3lb. 5ozs. 4lb. 6ozs.	4lb. 7ozs. 4lb.15ozs.	5lbs. - 5lb. 8ozs.	5lb. 9ozs. and over	All Weights
Live and Stillbirths	21	24	35	88	1,795	1,963
Stillbirths	7	2	5	2	6	22
Stillbirth rate	333.3	83.3	142.8	22.7	3.3	11.2
Live Births	14	20	31	86	1,790	1,941
Neonatal deaths	12	3	2	4	8	29
Neonatal death rate	857.1	150.0	64.5	46.5	4.4	14.9

The regular and very large increase in stillbirth rate and neonatal death rate corresponding to the fall in the birth weight is most clearly shown.

The same babies are brought together again in the following table, which shows how many in each group were first, second, third, fourth and later babies, and in brackets how many in each group occurred in 1970.

	1st Pregnancy	2nd Pregnancy	3rd Pregnancy	4th Pregnancy	4th + Pregnancy
168 5lb.8oz. 21 3lb.4oz. and under	7 (10)	7 (5)	1 (3)	3 (3)	3 (1)
24 3lb.5oz. to 4lb.6oz.	7 (9)	5 (7)	6 (4)	6 (4)	0 (2)
35 4lb.7oz. to 4lb.15oz.	14 (12)	9 (9)	8 (4)	1 (3)	3 (3)
88 5lb. to 5lb.8oz.	35 (41)	16 (16)	13 (11)	13 (7)	11 (6)
42 Twins	6 (22)	14 (12)	10 (6)	10 (8)	2 (4)
22 Stillbirths	7 (12)	6 (9)	2 (4)	4 (1)	3 (1)
27 Deaths 0 - 1 week	11 (4)	7 (4)	7 (6)	1 (1)	1 (1)
2 Deaths 1 - 4 weeks	1 (1)	0 (0)	0 (0)	0 (2)	1 (0)

Leaving out the figures for twins, the figures do show that these conditions are slightly more common among first babies. This experience is made clearer in the following table where the numbers are effectively increased by the combinations of the four categories of premature babies, and the two categories of babies dying after birth.

	1st Pregnancy	2nd Pregnancy	3rd Pregnancy	4th Pregnancy	4th + Pregnancy
168 5lb.8oz and under	63	37	28	23	17
22 Stillbirths	7	6	2	4	3
29 Deaths 0 - 4 weeks	12	7	7	1	2

The following table shows the comparison between Infant Death Rates for Newport and England and Wales 1962 and 1971, and the two five-year periods 1962-66 and 1967-71.

Year	Infant Death Rate							
	Under 1 Week		1 - 4 Weeks		1 - 12 Months		Total Deaths	
	Newport	E & W	Newport	E & W	Newport	E & W	Newport	E & W
1962	15.7	12.7	1.4	2.4	8.6	6.5	25.7	21.6
1971	14.0	10.0	1.0	2.0	6.0	6.0	21.0	18.0
1962 - 1966	11.9	11.8	1.8	2.0	7.0	6.3	20.7	20.1
1967 - 1971	11.5	10.4	1.8	1.7	7.2	6.0	20.5	18.1

The number of deaths under 1 week, from 1 to 4 weeks, and from 1 to 12 months, the total number of infant deaths, and the number of stillbirths, in Newport for the 10 years 1962-1971 are shown in the following table, together with the rates represented by the numbers, and the corresponding rates for England and Wales, and the average rates for the 5 years 1962-1966 and 1967-1971 and the 10 years 1962-1971 for Newport and for England and Wales.

The number of premature births in each of the four groups of prematurity by birth weight in Newport for the 10 years 1962-1971 shown in another table together with the percentages of the total number of premature births represented by these numbers and average rates for the 5 years 1962-1966 and 5 years 1967-1971 and for 10 years 1962-1971 for Newport.

NUMBER OF DEATHS EACH YEAR IN CHILDREN UNDER 1 IN 10 YEARS
1962 - 1971 ARRANGED IN AGE GROUPS

PERIOD	Deaths under 1 week			Deaths 1 - 4 weeks			Deaths 1 - 12 months			Total Infant Deaths			Stillbirths		
	Newport		E & W	Newport		E & W	Newport		E & W	Newport		E & W	Newport		E & W
	Rate		Rate	Rate		Rate	Rate		Rate	Rate		Rate	Rate		Rate
	No.			No.			No.			No.			No.		
1962	33	15.7	12.7	3	1.4	2.4	18	8.6	6.5	54	25.7	21.6	42	19.5	18.1
1963	29	13.2	12.1	6	2.8	2.1	18	8.2	6.9	53	24.2	21.1	39	17.5	17.2
1964	16	7.6	11.9	2	0.9	1.9	17	8.2	6.1	35	16.7	19.9	41	18.2	16.3
1965	26	12.4	11.1	5	2.4	1.9	9	4.3	6.0	40	19.1	19.0	31	14.5	15.8
1966	23	10.8	11.1	3	1.4	1.8	13	6.0	6.1	39	18.2	19.0	30	13.8	15.4
1967	20	9.4	10.6	4	1.8	1.9	14	6.6	5.8	38	17.8	18.3	30	13.8	14.8
1968	22	10.4	10.4	5	2.6	2.0	19	8.8	5.9	46	21.8	18.3	39	18.1	14.3
1969	30	16.0	10.0	3	1.0	2.0	11	6.0	6.0	44	23.0	18.0	24	12.0	13.0
1970	16	8.0	11.0	3	2.0	1.0	18	9.0	6.0	37	19.0	18.0	27	14.0	13.0
1971	27	14.0	10.0	2	1.0	2.0	12	6.0	6.0	41	21.0	18.0	22	11.0	12.0
Average 1962-66		11.9	11.7		1.7	2.0		7.0	6.3		20.7	20.1		16.7	16.5
" 1967-71		11.5	10.4		1.6	1.7		7.2	5.9		20.5	18.1		13.7	13.4
" 1962-71		11.7	11.0		1.6	1.8		7.1	6.1		20.6	19.1		15.2	14.9

NUMBER OF PREMATURE BIRTHS EACH YEAR IN 10 YEARS 1962-1971

ARRANGED IN GROUPS BY BIRTH WEIGHT

PERIOD	3lb.4oz. and under		3lb.5oz. - 4lb.6oz.		4lb.7oz. - 4lb.15oz.		5lb. - 5lb.8oz.	
	Newport		Newport		Newport		Newport	
	No.	%	No.	%	No.	%	No.	%
1962 ...	15	9.6	38	24.2	27	17.2	77	49.0
1963 ...	16	10.7	28	18.8	28	18.8	77	51.7
1964 ...	13	10.7	25	20.7	18	14.9	65	53.7
1965 ...	22	17.9	22	17.9	17	13.8	62	50.4
1966 ...	13	7.9	32	19.4	39	23.6	81	49.1
1967 ...	22	12.3	37	20.7	41	22.9	79	44.1
1968 ...	22	11.5	48	25.1	24	12.6	97	50.8
1969 ...	26	15.5	19	11.3	39	23.3	83	49.9
1970 ...	22	13.7	26	16.2	31	19.4	81	50.7
1971 ...	21	12.5	24	14.3	35	20.8	88	52.4
Average 1962-1966		11.3		20.2		17.6		50.9
" 1967-1971		13.1		17.5		19.8		49.6
" 1962-1971		12.2		18.9		18.7		50.2

INFANT DEATHS 1908 - 1971

It is not generally realised how great has been the fall in the number of deaths in children over the last sixty years. It is actually the case that whereas the average number of deaths each year in Newport in children under 15 was 397 during the fourteen year period 1908-1921, it had fallen to 54 during the ten year period 1962-1971 a percentage fall of 86.4. Detailed figures are given in the following table.

Average number of deaths each year in Newport in children under 15 in 10 year periods 1908-1971 arranged in age groups

PERIOD	Under 1 week	1-4 weeks	1-12 months	1-4 years	5-15 years	TOTAL
1908 - 1921 ...	58	33	144	109	53	397
1922 -1931 ...	42	21	66	72	36	237
1932 -1941 ...	41	17	54	37	27	176
1942 - 1951 ...	39	12	45	18	14	128
1952 - 1961	33	5	17	7	5	67
1962 - 1971 ...	24	3	15	7	5	54
1962 - 1971 as % of 1908-1921	41	9	10	6	9	14

The largest percentage fall (94) has been among children aged 1-4 years, the group in which the second largest number of deaths (109) occurred in 1908-1921 and the third largest number (7) in 1962-1971.

The percentage falls (91) among children aged 1-4 weeks and 5-15 years are the same, the groups in which the smallest (33) number of deaths occurred in 1908-1921 and the smallest number (3) in 1962-1971 respectively (for 1-4 weeks) and second smallest number (53) in 1908-1921 and (5) in 1962-1971 (5-15 years).

The percentage falls (90) among children aged 1-12 months is very similar, the group in which the largest (144) number of deaths occurred in 1908-1921 and the second largest number (15) in 1962-1971

Much the smallest percentage fall (59) has been among children under 1 week, the group in which the third largest (or third smallest) number (58) of deaths occurred in 1908-1921 and the largest number (24) in 1962-1971.

The factors responsible for the fall can be illustrated by looking at the deaths arranged according to the six main causes of death in 1908-1921. Detailed figures are given in the following table.

*Average number of deaths each year in Newport in children under 15 in 10 year periods
1908-1971 arranged in causes*

PERIOD	Measles	Diarrhoea Dysentery Enteritis	Prematurity	Convulsions	Bronchitis	Pneumonia	All Other Causes	TOTAL
1908 - 1921	26	39	50	29	23	49	181	397
1922 - 1931	14	12	36	5	16	39	115	237
1932 - 1941	8	8	35	1	3	28	93	176
1942 - 1951	2	13	28	0	1	21	63	128
1952 - 1961	0	4	16	0	0	7	40	67
1962 - 1971	0	3	15	0	0	8	28	54
1962 - 1971 as % of 1908 - 1921	0	8	30	0	0	16	15	14

Much the largest percentage falls (100) have been in Convulsions, Measles, and Bronchitis which were the fourth, fifth and sixth most important causes of deaths in 1908-1921 (29, 26 and 23 deaths). Then come the percentage falls (92 and 84 in Diarrhoea, Dysentery and Enteritis, and in Pneumonia, which were the third most important and the second most important causes of death in 1908-1921 (39 and 49 deaths) and the third most important and the second most important causes of deaths in 1962-1971 (3 and 8 deaths). Much the smallest percentage fall (70) has been in Prematurity, which was the first most important cause of death in 1908-1921 (50 deaths) and the most important cause of death in 1962-1971 (15 deaths).

So while infectious or contagious diseases and diseases of poor living conditions have been largely overcome by the combined efforts of Health Visitors and Public Health Inspectors (and there could be no better evidence than this of the value of the work of these two groups of Public Health Workers), prematurity, which is outside the field of work of the Public Health Inspector, and to a considerable extent outside the field of work of the Health Visitor, is a different kind of problem. This cause of infant death belongs to the field of work of the Midwives, and of the Medical Officers and Health Visitors working in the antenatal clinics.

DEATHS

Newport's deaths for the year were 1,285 as compared with 1,300 for the previous year, and representing a rate of 11.5 as compared with 11.6. The area comparability factor by which Newport's rate has to be multiplied to make it comparable with that for England and Wales is 1.14 which indicates that at the older ages Newport has considerably less population proportionately than England and Wales. When multiplied by this factor Newport's death rate becomes 13.1 as compared with a provisional death rate for England and Wales for 1971 of 11.6.

DISCUSSION OF DEATHS

The 1,285 deaths listed according to the abbreviated list of the International Classification of Diseases, and divided by sex and age into eleven age groups, are shown in the following table. It will be seen that the main causes of death are cancer, which was responsible for 287 deaths, or 22% of the total, ischaemic heart disease, which was responsible for 330 deaths, or 26% of the total, heart disease other than ischaemic and hypertensive disease, which was responsible for 76 deaths 6% of the total, and cerebrovascular disease which was responsible for 170 deaths or 13% of the total. These four causes were responsible for 863 deaths and 67% of the total.

Lung cancer, is almost entirely preventable by not taking up smoking, and very considerably reduced by giving it up. Cancer of the neck of the womb can be prevented by regular microscopic examination of smears of mucosal tissue obtained by scraping, followed by the appropriate treatment where these show the presence of a precancerous state, as this form of cancer remains in a precancerous state for a number of years.

SMOKING AND LUNG CANCER

The following illustrates the changes in the number of deaths over the last few years in England and Wales from lung cancer and from five other cancers and from five other causes.

		1962	1971	% Change
Cancer of lung	...	23,774	30,746	+ 29%
Cancer of bowel	...	14,779	16,025	+ 8%
Cancer of stomach	...	13,587	12,413	- 8%
Cancer of breast	...	9,347	11,265	+ 20%
Cancer of womb	...	4,012	3,864	- 4%
Leukaemia	...	2,707	3,018	+ 11%
Rheumatic fever and Rheumatic heart disease		2,417	6,881	+ 19%
Home accidents	...	6,402	6,230	- 3%
Road accidents	...	6,303	6,923	+ 10%
Tuberculosis	...	3,087	1,438	- 53%
Poliomyelitis	...	7	3	- 57%

The enormous change in the importance of lung cancer as a cause of death both absolutely and in its relation to other causes is made clear from these figures.

DEATHS 1970

CAUSE OF DEATH	Sex	Total all Ages	Under 4 weeks	4 weeks & under 1 year	1-	5-	15-	25-	35-	45-	55-	65-	75+
Enteritis & other Diarrhoeal Diseases	M	1		1									
	F	3			2							1	
Tuberculosis of Respiratory System	M	1							1				
	F												
Measles	M	1		1									
	F												
Other Infective and Parasitic Diseases	M					1							
	F	1											
Malignant Neoplasm, Buccal Cavity etc.	M	2								1	1	1	
	F	1								1			
Malignant Neoplasm, Oesophagus	M	7								1	3	2	1
	F	3								2			1
Malignant Neoplasm, Stomach	M	15							1	1	4	5	4
	F	14								1	1	7	5
Malignant Neoplasm, Intestine	M	18								1	3	6	8
	F	16									4	6	6
Malignant Neoplasm, Larynx	M	8									5	1	2
	F												
Malignant Neoplasm, Lung, Bronchus	M	71							2	6	27	27	9
	F	9							1		2	5	1
Malignant Neoplasm, Breast	M	1									1		
	F	27						1	2		7	9	6
Malignant Neoplasm, Uterus	M	10								4		4	2
Malignant Neoplasm, Prostate	M	12									2	2	8
Leukaemia	M	1											1
	F	3				1						2	
Other Malignant Neoplasms	M	26						1		3	9	9	4
	F	43				1	1	1	1	2	11	8	18
Benign and Unspecified Neoplasms	M												
	F	2									1	1	
Diabetes Mellitus	M	10								1	6	1	2
	F	5										4	1
Other Endocrine etc. Diseases	M												
	F	1											1
Anaemias	M	1											1
	F												
Mental Disorders	M	1											1
	F	2										1	1
Meningitis	M												
	F	1		1									
Other Diseases of Nervous System, etc.	M	3						1				2	
	F	5								1	1		3
Chronic Rheumatic Heart Disease	M	2								1			1
	F	11							1	1	6	1	2
Hypertensive Disease	M	19								1	3	10	5
	F	15										5	10
Ischaemic Heart Disease	M	200						1	9	29	50	65	46
	F	130								4	17	49	60
Other Forms of Heart Disease	M	29									7	8	14
	F	49									3	7	39
Cerebrovascular Disease	M	66							2	2	8	19	35
	F	104					1			2	6	28	67
Other Diseases of Circulatory System	M	13										7	6
	F	19							1			5	13
Influenza	M												
	F	1										1	
Pneumonia	M	34		2							1	9	22
	F	41		4						1	2	7	27
Bronchitis and Emphysema	M	44							1		10	18	15
	F	14									2	2	10
Asthma	M												
	F	2										1	1
Other Diseases of Respiratory System	M	4								1	1		2
	F	4		1									3
Peptic Ulcer	M	5									1	2	2
	F	3										1	2
Intestinal Obstruction and Hernia	M	3										1	2
	F	2											2
Cirrhosis of Liver	M	2									1	1	
	F	6				1				1	1	1	2
Other Diseases of Digestive System	M	3										2	1
	F	3								2			1
Nephritis and Nephrosis	M	6							2	1	3		
	F	1										1	
Hyperplasia of Prostate	M	2										1	1
Other Diseases, Genito-Urinary System	M	2			1								1
	F	5								2		1	2
Diseases of Musculo-Skeletal System	M	2										1	1
	F	5									1	2	2
Congenital Anomalies	M	10	6			1	1			1	1		
	F	7	3	2	1							1	
Birth Injury, Difficult Labour etc.	M	8	8										
	F	4	4										
Other causes of Perinatal Mortality	M	3	3										
	F	5	5										
Symptoms and Ill Defined Conditions	M	4										1	3
	F	15										2	13
Motor Vehicle Accidents	M	8					3	2	2	1			
	F	1									1		
All other Accidents	M	20			1	1	4		2	4	4		4
	F	20						1		2			12
Suicide and Self Inflicted Injuries	M	3										3	
	F												
All other External Causes	M	1								1			
	F												
TOTAL ALL CAUSES	M	672	17	4	2	2	8	5	22	55	151	204	202
	F	613	12	8	3	4	2	3	6	28	66	168	313

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

National Health Service Act 1946

Health Services and Public Health Act 1968

Care of Mothers and Young Children

Ante-natal Clinics were held at the following Health Clinics:-

ALWAY	Mother and Child Welfare Clinic, Aberthaw Road.
BETTWS	Bettws Free Church, Monnow Way
CENTRAL	Mother and Child Welfare Clinic, Tredegar Street.
CLYTHA	Mother and Child Welfare Clinic, 27 Clytha Park Road.

Expectant Mothers Attending and Attendances for 1971 -

Name of Clinic	Mothers first attended in 1971	Total attendances made
ALWAY	17	80
BETTWS	11	22
CENTRAL	20	59
CLYTHA	9	30
TOTALS	57	191

ABNORMAL CONDITIONS FOUND AMONG EXPECTANT MOTHERS

Anaemia	...	3	Hypertension	...	1
Albuminuria	...	3	Nervous conditions	...	1
Excess weight gain	...	7	Dermatological conditions	...	1
Dental caries	...	7	Threatened abortion	...	1
Varicose veins	...	10	Oedema	...	3
Vaginal discharge	...	6	Previous difficult confinement	...	2
Abnormal presentation	...	9			

PLACES OF BIRTH OF BABIES BORN IN NEWPORT IN 1971

Of the 1,941 babies born in Newport to Newport residents 193 were born at home giving a percentage of 9.9 whilst 1,748 were born in hospitals, a percentage of 90.1.

STILLBIRTHS

All of the 22 stillbirths of Newport residents occurred in institutions.

MATERNITY PACKS ISSUED TO EXPECTANT MOTHERS

280 maternity packs were issued to expectant mothers during the year.

CHILD HEALTH CENTRES

Name of Centre	Address	Sessions	
		Morning	Afternoon
ALWAY	Health Clinic, Aberthaw Road	Thursday	Thursday
EVESWELL	Eveswell Clinic, St. John's Road	Monday	Monday
BETTWS	Bettws Free Church, Monnow Way, Bettws Estate	Monday	Monday Thursday
CLYTHA	Health Clinic, 27 Clytha Park Road	Monday	Monday
CENTRAL	Health Clinic, Tredegar Street	Thursday	Thursday
CRINDAU	Health Clinic, 1 Evans Street	Tuesday	Tuesday
GAER	Health Clinic, Gaer Road		Wednesday
GROUP PRACTICE	371 Chepstow Road		Monday
LLISWERRY	St. Philips Mission Church, Jenkins St.	Tuesday	Tuesday
MALPAS	Health Clinic, Westfield Way	Wednesday	Wednesday
RINGLAND	Ringland Presbyterian Church, Beatty Road		Tuesday Friday
ST. DAVID'S	Health Clinic		Friday
ST. JULIANS	Health Clinic, Durham Road	Friday	Thursday

ATTENDANCES AT CHILD WELFARE CENTRES

The following table shows the number of attendances made by Mothers and Children at Infant Welfare Centres during 1971

CENTRE	Number of Child-Welfare sessions held per month	Number of attendances during the year made by children who at the date of attendance were -			Total attendances made by children during the year	Total attendances made by mothers during the year	Attendances Grand Total
		Under 1 year	1 but under 2	2 but under 5			
ALWAY	8	1197	888	458	2543	2019	4562
EVESWELL	8	1966	1373	445	3784	3690	7474
BETWS	12	2439	1434	570	4443	4056	8499
CLYTHA	8	1073	1154	812	3039	2265	5304
CENTRAL	8	1045	899	505	2449	1877	4326
CRINDAU	8	455	707	341	1503	1249	2752
GAER	4	899	720	251	1870	1489	3359
GROUP PRACTICE 371 Chepstow Road	4	113	184	218	515	653	1168
LLISWERRY	8	1016	693	247	1956	1698	3654
MALPAS	8	1142	1292	360	2794	2487	5281
RINGLAND	8	1350	1026	389	2765	2331	5096
ST. DAVIDS	8	731	507	180	1418	1330	2748
ST. JULIANS	8	1794	1041	299	3134	2912	6046
TOTALS -	100	15220	11918	5075	32213	28056	60269

CHILD WELFARE CENTRES

Medical Examinations and Weighings 1971

CENTRE	Medical Examinations				Weighings		
	Mothers	Children			Children		
		Under 1 year	1 but under 2	2 but under 5	Under 1 year	1 but under 2	2 but under 5
ALWAY	588	320	382	218	1376	1086	563
EVESWELL	16	601	257	166	2056	1527	506
BETTWS	-	767	510	380	2571	1626	615
CLYTHA	-	163	107	52	1191	1274	340
CENTRAL	4	293	252	123	1168	1298	541
CRINDAU	-	184	113	69	810	734	355
GAER	-	113	89	50	988	778	260
GROUP PRACTICE 371 Chepstow Road	885	146	245	450	117	109	4
LLISWERRY	224	247	229	114	1148	825	215
MALPAS	-	281	284	150	1270	1434	314
RINGLAND	13	255	169	169	1254	776	184
ST. DAVID'S	2	372	326	220	613	342	108
ST. JULIAN'S	-	362	201	128	1823	1032	204
TOTALS -	1732	4104	3164	2289	16385	12841	4209

MEDICAL CONDITIONS FOUND BY MEDICAL OFFICERS AT MOTHER AND CHILD WELFARE CENTRES 1971

CONDITIONS	0-4 weeks		1-3 months		3-6 months		6-12 months		1-2 years		2-3 years		3-4 years		4-5 years		5 years & over	
	At first exam	Others	At first exam	Others	At first exam	Others	At first exam	Others	At first exam	Others	At first exam	Others	At first exam	Others	At first exam	Others	At first exam	Others
No Abnormality	479	52	501	231	130	1444	54	1273	18	717	10	324	3	186	23	258	27	536
Gastro Intestinal Conditions	9	4	10	55	2	62	1	36	1	21	-	14	1	4	-	3	-	8
Respiratory Conditions	2	5	8	43	5	112	3	82	2	48	-	20	1	10	-	4	-	7
Orthopaedic Conditions	3	-	2	2	1	19	-	16	-	51	1	21	1	8	-	4	-	6
Skin Conditions	26	7	26	70	3	50	16	100	2	85	1	42	-	32	3	13	2	36
Umbilical Conditions	27	1	5	6	1	-	-	2	-	1	-	-	-	-	-	-	-	1
Cardiac Conditions	4	-	-	2	2	6	-	4	1	7	1	-	-	2	-	2	-	-
E.N.T. Conditions	-	2	1	12	-	33	1	38	1	27	1	11	1	18	1	12	-	23
Eye Conditions	5	-	7	18	1	20	1	36	1	18	-	14	-	18	-	7	-	9
Dental Caries	-	-	-	-	-	-	-	1	-	2	-	-	-	1	-	-	-	1
Jaundice	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Birth Injuries or Malformation	2	-	-	1	-	3	-	7	-	6	-	1	1	1	-	-	-	-
Other Conditions	2	1	3	3	-	14	1	11	1	15	-	15	1	15	1	7	1	3

MIDWIFERY

At the beginning of the year there were 12 municipal midwives employed by the local health Authority.

All of the municipal midwives were approved as teaching midwives. 31 pupil midwives completed their training for State Certification during the year.

The following statistics relate to the municipal midwifery for the year 1971.

Number of live births attended	...	193
Number of nursing visits made	...	6,900
Number of ante-natal visits made	...	5,207
Number of stillbirths attended	...	Nil
Number of miscarriages attended	...	2

Number of deliveries attended:

(1) Doctor not booked but present at delivery	Nil
(2) Doctor not booked and doctor not present	6
(3) Doctor booked and present at delivery	6
(4) Doctor booked but not present at delivery	172

Number of cases where gas and air was administered:

(1) When doctor was present at delivery	6
(2) When doctor was not present at delivery	140

Number of cases where pethidine was administered:

(1) When doctor was present at delivery	7
(2) When doctor was not present at delivery	116

Number of cases where medical aid was sent for:

(1) When doctor had been booked - mothers	53
(2) When doctor had been booked - children	36
(3) When doctor not booked - mothers	4
(4) When doctor not booked - children	1

Number of cases delivered at Institutions and attended on discharge before the 10th day:

(1) Cases	...	1,668
(2) Visits to these cases	...	7,634

Number of cases delivered who were wholly breast fed at 10th day	...	43
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Number of accommodation visits made	770
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Number of attempted visits	774
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HEALTH VISITING

Reports on Infants subjected to Birth Hazards.

A report at 3 months was obtained on the progress of Infants who might have been subjected to a hazard before or at birth. Any deviation from the normal was noticed and appropriate care and advice given. Should a child suffer a handicap, the information is reported to the Principal School Medical Officer when a child reaches the age of two years. The child is then correctly assessed for educational purposes.

Refresher Courses.

Health Visitors attended refresher courses during the year and on their return discussed points of interest with their colleagues. In addition Health Visitors attended a course in basic Management for Personal Service in Local Government at Newport and Monmouthshire College of Technology, Allt-yr-yn, Newport.

Nurse Education.

The Chief Nursing Officer continued to serve on the Nurse Education Committee. In addition to receiving lectures on "The Social Aspects of Disease" the student nurses at the Royal Gwent Hospital and St. Woolos Hospital accompanied the Health Visitors and the District Nurses on their routine district visits. They also made observation visits to various clinics established by the Public Health Department and the Education Department and to a Home for the Elderly established by the Social Services Department.

In addition the Chief Nursing Officer lectured to the students at the Nurses Preliminary Training School.

Lectures were also given by the Chief Nursing Officer to the nursery nursing students at Duffryn High School. Facilities were provided for these students to visit Maternity and Child Welfare Centres.

Mass Screening for Phenylketonuria.

This test is designed to detect early cases of phenylketonuria which if uncontrolled will result in the children being mentally defective. The test is carried out by the midwife at the 12th day by means of the Woolf Test.

No case of phenylketonuria was reported during the year. The condition is reported to occur in the ratio of 1 case to every 10,000 births.

Ascertainment of Deafness.

The early detection of impairment of hearing is most important, and if possible impairment should be detected before the child reaches the age of 12 months, the time at which speech normally develops. Therefore screening tests of hearing are carried out on children between the ages of 6 and 12 months, by the Health Visitors, either at the Maternity and Child Welfare Clinics or at the child's home. If any child does not respond to the tests he is examined by the Medical Officer, the Speech Therapist, and the Audiometrician, at the School Clinic. Children belonging to the following groups in which there is an extra risk of deafness are also examined at the Clinic.

- (1) Family history of deafness.
- (2) Spastic children.
- (3) History of ear discharge.
- (4) Late talkers.
- (5) Children with defective speech.
- (6) Educationally Subnormal children.
- (7) History of certain maternal illness in pregnancy,
e.g. German Measles.

If necessary children are referred to the Consultant, Ear, Nose and Throat Specialist and after consultation between the Consultant and the Medical Officer are referred to Audiology Units for fuller assessment and advice.

Mass Screening for Tuberculosis.

The homes of all school children who were found to have a positive reaction to a tuberculin skin test were visited. Contacts were advised to have a chest X-ray.

This home visiting is very time consuming, but it proves that the early case of tuberculosis can be detected. It enables early treatment to be obtained, thereby curtailing a prolonged infectious illness.

Health Visiting.

The following is a summary of the visits to homes made by the Health Visitors during 1971.

Type of Visit	Actual		Attempted	
	First Visits	Revisits	First Visits	Revisits
Mother and Child Welfare				
Mothers	8,789	18,979	2,657	5,102
Expectant Mothers	467	529	50	19
Infants 0-1 year	1,981	6,970	839	2,156
Children 1-2 years	2,010	5,655	891	2,212
Children 2-5 years	6,659	9,925	1,162	2,216
Totals -	19,906	42,058	5,599	11,705
Tuberculosis Cases				
Infants 0-1 year	-	-	-	-
Children 1-2 years	-	-	-	-
Children 2-5 years	2	-	-	-
Children 5 years and Over	5	6	-	-
Totals -	7	6	-	-
Tuberculosis Contacts				
Infants 0-1 years	11	3	-	-
Children 1-2 years	5	1	-	-
Children 2-5 years	16	9	-	-
Children 5 years and Over	103	48	-	4
Totals -	135	61	-	4
Other Infectious Diseases				
Infants 0-1 years	32	14	-	2
Children 1-2 years	10	7	-	-
Children 2-5 years	62	22	-	-
Children 5 years and Over	310	186	83	102
Totals -	414	229	83	104
Aged Persons	1,342	3,382	109	152
Chronic Sick	967	3,444	48	104
Totals -	2,309	6,826	157	256
All Other Visits				
Infants 0-1 years	-	-	-	-
Children 1-2 years	-	-	-	-
Children 2-5 years	2	3	-	-
Children 5 years and Over	2,270	4,940	232	492
Totals -	2,272	4,943	232	492

Analysis of cases and households visited for the first time during the year.

	Tuberculosis		M. & C.W. and Other Visits
	Cases	Contacts	
Total infants and children under 5 years visited for the first time this year	-	-	10,790
Total homes visited for the first time this year	-	-	11,099

Tuberculosis Health Visiting.

The following is a summary of the visits to homes made by the Tuberculosis Health Visitor during the year.

Type of Visit	Visits		Attempted	
	First Visits	Revisits	First Visits	Revisits
Tuberculosis Cases				
Infants 0-1 year	-	-	1	-
Children 1-2 years	-	-	-	-
Children 2-5 years	-	-	-	-
Others 5 years and over	52	236	7	122
Totals	52	236	8	122
Tuberculosis Contacts				
Infants 0-1 year	3	-	-	-
Children 1-2 years	15	-	-	-
Children 2-5 years	47	-	-	-
Others 5 years and over	547	-	4	-
Totals	612	-	4	-

Analysis of cases and households visited for the first time during the year.

	Tuberculosis	
	Cases	Contacts
Total infants and children under 5 years visited for the first time this year	-	65
Total homes visited for the first time this year	52	548

HOME NURSING

Many more sick people are nursed in their own homes than go into hospital and it is this service which provides the care and attention needed. The District Nurse will visit any home when a request for her to do so is received from the general practitioner or specialist. Perhaps the value of this service is appreciated most by those chronic sick patients who should be in hospital but cannot be admitted because of the shortage of chronic sick beds, and by those patients, particularly the aged, who prefer to be nursed in their own homes. Nurses do not live in the homes that they are attending, but visit during the day and the evening. For those patients requiring attention during the night the facilities of the Night Nursing Orderly Service are available.

The following is a summary of the work carried out during 1971:-

Total number of persons nursed	...	2,462
Number who were aged under 5 at first visit		61
Number who were aged 65 or over at first visit		783

VACCINATION AND IMMUNISATION

A follow up system is used which ensures that vaccination and immunisation are offered to all babies in the area of the Local Health Authority.

In addition to the routine observed for infants, reinforcing injections of diphtheria immunisation are given when children commence school. The parents of all children commencing school are circularised through the schools asking for their consent to their children being given reinforcing injections and visits are then made to the schools and the children whose parents have given permission are given reinforcing injections. In the case of parents who want the reinforcing injection to be given by their own doctor they are advised to attend their doctor's surgery. In this way children who have not been immunised in infancy as a result of parental apathy received their primary immunisation.

DIPHTHERIA IMMUNISATION

Return for year ended 31st December, 1971

	Children born in years						Total
	1971	1970	1969	1968	1964 to 1967	Others under 16 years of age	
Number of children who completed a full course of primary immunisation in the Authority's area (including temporary residents) during the year ended 31st December, 1971	149	1,208	257	19	42	28	1,703
Number of children who received a secondary (reinforcing) injection (i.e. subsequently to primary immunisation at an earlier age) during the year ended 31st December, 1971	-	-	-	40	677	106	823

WHOOPIING COUGH IMMUNISATION

Return for year ended 31st December, 1971

	Children born in years						Total
	1971	1970	1969	1968	1964 to 1967	Others under 16 years of age	
Number of children who have completed a primary course (normally, 3 injections) of pertussis vaccine (singly or in combination) in the Authority's area during the year ended 31st December, 1971	142	1,152	250	10	7	1	1,562

SMALLPOX VACCINATION

Return for year ended 31st December, 1971

Age at date of Vaccination	I. No. of persons vaccinated (or re-vaccinated) during period		II. Number of cases specially reported during period		
	Number vaccinated	Number re-vaccinated	(a) Generalised Vaccinia	(b) Post Vaccinal Encephalomyelitis	(c) Death from complications of vaccination other than (a) & (b)
0 - 3 Months	6	-	-	-	-
3 - 6 months	3	-	-	-	-
6 - 9 months	3	-	-	-	-
9 - 12 months	10	-	-	-	-
1 year	124	-	-	-	-
2 - 4 years	30	5	-	-	-
5 - 15 years	7	32	-	-	-
Total	161	37	-	-	-

During the year the policy on the routine vaccination of infants was changed and vaccination was discontinued in July, 1971.

POLIOMYELITIS IMMUNISATION

Return for the year ended 31st December, 1971

Category	No. of persons who completed a course during the year
Children born in the years 1964-1971	1,626
Others under 16 years of age	14
Total	1,640

Regular poliomyelitis immunisation clinics were held during the year at Infant Welfare Centres and by Private Practitioners in their surgeries. Clinic was held from 6 - 8 p.m. monthly throughout the year for the benefit of persons under 40 years of age.

PROPHYLAXIS, CARE AND AFTER-CARE

B.C.G. Vaccination.

B.C.G. vaccination was offered during the Autumn term to all children reaching their twelfth birthdays during the school year and it is interesting to compare the acceptance figures with those for the previous years.

	B.C.G.	%	T.B. +	%	Total
Autumn term 1967:					
All children reaching 12th birthday	911	95.6	32	3.4	943
Autumn term 1968:					
All children reaching 12th birthday	1,024	93.1	75	6.9	1,099
Autumn term 1969:					
All children reaching 12th birthday	1,243	97.1	36	2.9	1,279
Autumn term 1970:					
All children reaching 12th birthday	1,240	98.2	22	1.8	1,262
Autumn term 1971:					
All children reaching 12th birthday	1,439	99.4	9	0.6	1,448
Total	<u>5,857</u>	<u>97.4</u>	<u>174</u>	<u>2.6</u>	<u>6,031</u>

TUBERCULOSIS CONTACT SCHEME

A scheme for the tuberculin testing and B.C.G. vaccination of contacts of cases of tuberculosis is carried out in co-operation with the Chest Physician. During the year 149 persons were tuberculin tested of whom 40 were found to be tuberculin positive and 109 tuberculin negative.

TUBERCULIN TESTING

Tuberculin testing was offered during the year to all children reaching their tenth, eighth and sixth birthdays during the school year and it is interesting to compare the figures with those for previous years.

	T.B. -	%	T.B. +	%	Total
1966: Children reaching 10th birthday	1,027	98.7	12	1.3	1,039
1967: Children reaching 10th birthday	1,128	99.0	7	1.0	1,135
1968: Children reaching 10th birthday	987	97.3	27	2.7	1,014
1969: Children reaching 10th birthday	1,027	98.4	17	1.6	1,044
1970: Children reaching 10th birthday	1,127	97.9	24	2.1	1,151
1971: Children reaching 10th birthday	1,502	99.9	3	0.1	1,505
Total	<u>6,798</u>	<u>98.8</u>	<u>90</u>	<u>1.2</u>	<u>6,888</u>

	T.B.—	%	T.B.+	%	Total
1966: Children reaching 8th birthday	1,130	99.8	2	0.2	1,132
1967: Children reaching 8th birthday	1,250	99.0	10	1.0	1,260
1968: Children reaching 8th birthday	1,195	98.1	23	1.9	1,218
1969: Children reaching 8th birthday	1,296	99.0	13	1.0	1,309
1970: Children reaching 8th birthday	1,439	98.7	19	1.3	1,458
1971: Children reaching 8th birthday	1,433	99.9	1	0.1	1,434
Total	7,743	99.1	68	0.9	7,811
1966: Children reaching 6th birthday	1,220	99.6	5	0.4	1,225
1967: Children reaching 6th birthday	1,281	99.7	4	0.3	1,285
1968: Children reaching 6th birthday	1,268	99.1	12	0.9	1,280
1969: Children reaching 6th birthday	1,238	99.3	9	0.7	1,247
1970: Children reaching 6th birthday	1,344	98.6	19	1.4	1,363
1971: Children reaching 6th birthday	1,421	100.0	-	0.0	1,421
Total	7,772	99.5	49	0.5	7,821

This programme was commenced in 1956 so far as those reaching their 10th and 6th birthdays are concerned, and in 1960 so far as those reaching their 8th birthday are concerned.

The Tuberculin positive children are given a chest X-ray, and the other members of their families are investigated.

AVERAGE NUMBER OF NOTIFICATIONS, CASES ON THE REGISTER, AND DEATHS FROM PULMONARY AND NON PULMONARY TUBERCULOSIS
EACH YEAR IN NEWPORT IN 10 YEAR PERIODS 1909-1968 AND EACH YEAR 1960-1970

PERIOD	Notifications						Cases on Register						Deaths	
	Pulmonary			Non-Pulmonary			Pulmonary			Non-Pulmonary			Pulm.	Non-Pulm.
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total		
1909 - 1918	-	-	193.8	-	-	-	-	-	-	-	-	-	86.9	27.7
1919 - 1928	-	-	126.9	-	-	56.0	-	-	-	-	-	-	98.4	21.9
1929 - 1938	82.0	73.9	155.9	30.5	29.8	60.3	277.8	224.7	502.5	140.7	154.4	295.1	86.0	13.4
1939 - 1948	78.5	59.7	138.2	19.7	18.9	38.6	396.3	316.1	712.4	157.2	157.5	314.7	74.3	7.9
1949 - 1958	62.5	44.8	107.3	6.3	7.3	13.6	528.9	452.9	981.8	71.4	87.1	158.5	26.2	2.4
1959 - 1968	23.8	11.3	35.1	2.8	1.8	4.6	509.7	402.5	912.2	39.0	43.0	82.0	7.8	1.1
1962	25	9	34	2	4	6	589	457	1,046	39	44	83	6	-
1963	30	10	40	3	2	5	578	440	1,018	36	45	81	12	3
1964	21	21	42	5	2	7	554	425	979	42	44	86	6	-
1965	15	9	24	3	1	4	488	370	858	42	42	84	9	-
1966	22	10	32	1	1	2	431	331	762	41	41	82	11	1
1967	12	7	19	1	5	6	389	389	778	37	44	81	4	-
1968	6	3	9	3	1	4	338	248	586	38	42	80	5	3
1969	14	6	20	3	1	4	299	214	513	36	39	75	8	-
1970	13	5	18	5	4	9	283	211	494	42	42	84	2	-
1971	12	6	18	3	7	10	284	210	1,041	44	49	93	1	-

AMBULANCE SERVICE

The duty of local ambulance authorities under the National Health Service is not to arrange for the conveyance of all persons suffering from illness but only of those for whom transport such as the service provides is necessary, and where such transport comes within the scope of the National Health Service.

In general special transport is necessary for persons who are genuinely unable to travel by other means (for example public transport) and where the journey is closely connected with the treatment and care of the patient.

The following table shows the number of patients conveyed during the years 1953 - 1971.

Patients Conveyed -

Year	Sitting Cases	Stretcher Cases	Total
1953	23,501	6,317	29,818
1954	20,508	6,514	27,022
1955	24,584	7,245	31,829
1956	26,293	6,291	32,584
1957	25,444	5,817	31,261
1958	30,490	6,838	37,328
1959	32,338	5,521	37,859
1960	33,339	6,214	39,553
1961	34,497	7,095	41,592
1962	29,981	7,332	37,331
1963	28,181	7,833	36,014
1964	32,045	7,863	39,908
1965	31,710	7,058	38,768
1966	30,474	6,152	36,626
1967	27,701	7,863	35,564
1968	30,525	8,215	38,740
1969	30,583	9,477	40,060
1970	29,955	8,769	38,724
1971	37,048	7,616	44,664

CHIROPODY SERVICE

This service is given to the elderly, the physically handicapped and to expectant mothers free of charge. Two full-time and one part-time Chiropodists are employed.

Number of treatments given during the year -

In Clinics	...	3,409
In patient's homes	...	1,741
In Welfare homes	...	817
		<hr/> 5,967

Number of persons treated -

Aged 65 or over	...	2,286
Others	...	15
		<hr/> 2,301

THE "REST" (SEASIDE) CONVALESCENT HOME PORTHCAWL

20 patients were admitted to the Rest Home for periods of convalescence, the cost of their stay being borne by the Local Health Authority.

CARDIAC LIST

The Cardiac List, including children with rheumatic heart disease, children who had had rheumatic fever but had not developed rheumatic heart disease, children who had had chorea, and children with congenital heart disease, which list was commenced in 1959, was maintained and added to in 1971. Children with rheumatic heart disease and children with congenital heart disease were found by the Consultant Paediatrician, usually following examination by the general practitioner, the Assistant Medical Officer of Health or the school medical officer. In the absence of compulsory notification of rheumatic fever (which with its complication of rheumatic heart disease was responsible for 6,881 deaths in England and Wales in 1971), children who had had rheumatic fever were found as a result of information from the Consultant Paediatrician, General Practitioners, School Nurses, Teachers, Education Welfare Officers and parents.

The value of the "Cardiac List" is to follow up those children suffering from established cardiac defects, and those who are under assessment by the paediatrician, in order to prevent recurrences and complications of the disease.

These are most often associated with infections. Many children are given "long term" treatment with penicillin for this reason, and it is of importance to ensure that the treatment prescribed is maintained. This is undertaken by the Health Visitor/School Nurse, and in addition a yearly assessment is carried out by the medical staff.

For the same reason, conditions which render the blood stream particularly liable to carry infection (known as "bacteraemia" and not causing any symptoms at the time) are supervised. Of these the most common are ear, nose and throat conditions, and dental extraction, and priority provision is made for children with cardiac defects. In order to limit the number of dental extractions performed on children with cardiac defects, parents are offered a six-monthly examination by the dental officer. During the period of dental extraction prophylactic penicillin cover is increased, or implemented, so that any bacterial contamination of the blood stream from infection in the mouth is quickly dealt with. It is of interest that the system of prophylaxis employed for some years in our own authority has at last gained official sanction as the method of choice ('Prevention of initial attacks and recurrences of rheumatic fever,' Ministry of Health, May, 1965) and this reflects the special interest of this Authority's medical staff in the prophylactic care of rheumatic heart disease.

SPECIAL CLINIC

This Clinic is conducted by the Local Health Authority for the Welsh Hospital Board and provides for the diagnosis and treatment of expectant and other mothers and children under 5 years of age.

Two sessions are attended each week at the Clytha Maternity and Child Welfare Clinic by a medical officer of the Local Health Authority.

	Expectant Mothers	Other Mothers	Children under 5	Total
New Cases:				
Venereal ...	-	-	-	-
Non-venereal ...	-	72	-	72

	Syphilis	Gonorrhoea	Non-venereal	Total
Attendances ...	-	-	71	71

Abnormal conditions found among persons attending Auxiliary Clinics.

Cervical erosion	...	141	Cystocele and Rectocele	16	
Leucorrhoea	...	14	Vulvovaginitis	...	15
Cervicitis	...	26	Endocervicitis	...	1
Pruritus	...	5			

CYTOLOGY SERVICE AND FAMILY PLANNING

Sessions are held weekly at the Authority's Clinics in Clytha Park Road, Bettws Central and Alway. In addition to the taking of cervical smears from women attending these clinics, an examination of the breasts and urine is carried out. A Health Visitor is in attendance at each session. During 1971 470 new patients and 559 others attended on recall. A Family Planning Service for women is run in conjunction with the Cytology Service and contraceptives are issued free to medical cases and the "needy".

OPHTHALMIC CLINIC

During the year 213 children under the age of 5 years attended the Refraction Clinics at St. Woolos Hospital and the School Clinic and were examined by Mr. N.K. Barber, Consultant Ophthalmic Surgeon or Dr. J.F. Jones or Dr. S. Fairley, Senior Medical Officers of Health in the Department.

Of these children 7 were known to be attending nursery schools maintained by the L.E.A.

Of the remaining 206 children, 44 had glasses prescribed for the first time, 49 had their prescriptions changed and in 20 cases there was no change in prescription. 93 children were found not to be in need of glasses.

EAR, NOSE AND THROAT CLINIC

Mr. J.L.D. Williams, and Mr. G.B. Leitch, Ear, Nose and Throat Surgeons in charge of the Ear, Nose and Throat Clinic for school children, also saw 79 children who were under the age of 5 years (35 Boys, 44 Girls) and of these children 36 (17 Boys and 19 Girls) were known to be attending maintained Nursery Schools or Classes.

REGISTRATION OF NURSING HOMES - PUBLIC HEALTH ACT 1936

There are four Nursing Homes within the area of the Local Authority and these are inspected regularly.

HEALTH EDUCATION

Activities in the field of health education were increased during 1971. The demand for information on a wide range of health topics appears to be growing. In order to meet this demand lectures were given throughout the year to various groups within the community. Lectures were supplemented with films or other audio-visual aids when necessary.

In addition to this in-service training courses have been held for staffs concerned with health problems and the prevention of ill health.

The Health Education Officer has also given lectures to each group of nurses commencing training in the Newport hospitals as well as to more senior nursing students. The content of these lectures has been designed to convey an idea of how health education is conducted in the community and also to make hospital nurses aware of their role in the field of health education.

The work of the Health Education Officer, other than that mentioned above, has been concentrated on three main topics during 1971. These are as follows -

Anti-smoking Campaign.

Wide publicity was given by the National Press early in the year to the report of the Royal College of Physicians on Smoking and Health. In order to take advantage of and underline that publicity, poster displays were set up in all Health Clinics and in the hall of the Health Department at the Civic Centre. These displays were accompanied by leaflets and other appropriate literature which was handed

out to the public. The film "Smoking and You" was shown to interested groups, including several schools. Requests for anti-smoking posters and leaflets were received from many organisations including hospitals, schools and factories and these were provided.

A five day course to help people to stop smoking was held at the Westfield Training Centre. This course, held on five consecutive evenings was attended by 30 people and was conducted by the British Temperance Society, in conjunction with the Health Department. Six weeks after the course ended a "follow up" evening was held in the Civic Centre. From this meeting it was estimated that the course had achieved a 60% success rate which of course, indicated the value of the exercise. Publicity in relation to the dangers of smoking is continuing.

Drug Abuse.

At the end of 1970, the Chairman of the Health Committee, Deputy Medical Officer of Health and Health Education Officer presented a report on Alcoholism and Adictions to the Health Committee. The committee accepted the recommendations of this report and action was taken on the main points as detailed below -

(a) **Drug Liaison Panel** - This Committee was set up under the chairmanship of the Medical Officer of Health. The following have representatives serving on this Panel.

Health Department, Education Department, Social Services Department, Probation Service, St. Cadoc's Hospital, Executive Council, Gwent Police Drug Squad.

This panel meets as and when necessary in order that current knowledge of this emotive and difficult subject can be discussed and any necessary action taken.

(b) **Collection D.O.O.M.** - A campaign with the code name D.O.O.M. (Destruction of Old Medicines) was mounted in the autumn in conjunction with the Health Department of the Monmouthshire County Council.

The campaign was aimed at making the community aware of the dangers of hoarding pills and medicines in the home when they were not actually in use. Secondly people were encouraged to hand in such drugs to their nearest Chemist so that they might be disposed of safely.

To effect this an intensive press and poster campaign was mounted and Chemists throughout Newport and Monmouthshire made themselves available at collection points. At the end of the campaign, Gwent Police collected a **half ton** of drugs from Chemists and destroyed them. Among the substances handed in were Arsenic and Cyanide.

I would like to record my thanks to the Chairman and members of the Newport and Monmouthshire Branch of the Pharmaceutical Society for their ready co-operation in this campaign. Also to Messrs. Bertram Griffiths Limited who very kindly distributed literature and collection sacks to Chemists throughout the town and the county. Thanks are also given to the Police for providing necessary security and disposing of the drugs.

(c) **Education** - Talks and films on this subject have been given to interested groups and arrangements are in hand to extend activities in this area, particularly in regard to providing information to those groups who are concerned with young people.

Venereal Disease.

Owing to the increase in the incidence of Venereal Disease throughout the country, efforts were made to bring this subject to the attention of teenage groups who are most vulnerable to these diseases. As yet, these efforts have not met with any great success but work continues in this area and it is hoped that with continuing discussions an impact can be made regarding education in this subject in the coming year.

The nursing staffs of the authority, in particular the health visitors, have continued to provide an invaluable service in health education to all sections of the community. It is, of course, a traditional role of Nursing Staffs to educate their patients in health care on a person to person basis but in a year during which the nursing staff have been subject to continuing change and reorganisation, it is encouraging that they have maintained an interest in health education and have always been ready to speak to various groups outside their working time when requested to do so.

EPILEPTICS AND SPASTICS

Epileptics.

There were 26 epileptics registered with the Social Services Department during the year, an increase of 4 compared with 1970. Of those registered, 14 were male and 12 were female, 3 were suffering from major epilepsy and 23 from minor epilepsy.

Distribution of the cases according to age is as follows:-

	0-14	15-29	30-39	40-49	50-64	65 and over	TOTAL
Major Epilepsy	-	-	1	1	1	-	3
Minor Epilepsy	-	6	7	5	5	-	23

The position of the cases as regards employment is as follows:-

	Of pre-school or school age	In suitable employment	At present in employment which is likely to be irregular or temporary	Unemployment	Adult colonies in hospitals	TOTAL
Major Epilepsy	-	1	-	1	1	3
Minor Epilepsy	-	3	-	18	2	23

Spastics.

There were 32 spastics registered with the Social Services Department during the year, one more than in 1970. There must however be many more who are not known to the Department and it is possible that the Department could provide some services to individual spastics if they came forward.

BLIND PERSONS

There were 391 blind and partially sighted persons registered with the Social Services Department during the year, compared with 401 in 1970. Of those registered 266 were blind and 125 partially sighted.

60 persons were examined during the year. Of these 39 were found to be blind and 15 to be partially sighted, the remaining 6 being not registered.

Ophthalmia Neonatorum

- (i) Total number of cases notified during the year ... -
- (ii) Number of cases in which -
 - (a) Vision lost ... -
 - (b) Vision impaired ... -
 - (c) Treatment continuing at end of year ... -

National Assistance Act 1948

Section 47

Removal to suitable premises of persons in need of care and attention

No orders were obtained under the above section for 1971.

M and C.W. DENTAL REPORT 1971

The treatment provided during the year for children under 5 years of age, and for expectant and nursing mothers, is shown in the statistical tables in the appendix. The number of patients in each of these categories treated by the Local Authority Dental Service remains rather low. This is probably due

to those parents who are dentally conscious taking their young children to their own dental practitioner, and that expectant and nursing mothers who regularly receive dental care can continue to see their dental practitioners and receive free dental treatment for a period of some 21 months.

It is unfortunate that all too often these patients attend in the first instance because of pain of dental origin, and after receiving treatment to relieve their pain, do not seek further conservative treatment. However it is heartening to note that this year, for the first time, the number of fillings for children under 5 is a much higher figure than the number of extractions.

The filling/extraction ratio for expectant and nursing mothers is also greatly improved, being nearly 1 : 1. Let us hope this trend will continue!

	Children under 5		E. and N. Mothers	
	Fillings	Extractions	Fillings	Extractions
1968	332	391	17	219
1969	164	214	17	57
1970	166	233	34	114
1971	191	106	49	51

During the year, the dental surgeries at the new Bettws Health Centre began operating, bringing dental treatment facilities to the Bettws Estate for the first time. This could well increase the amount of treatment carried out by the Dental Service for patients in the M. and C.W. categories.

In conclusion I would like to thank the medical, nursing, clerical and dental staff for their co-operation during the year.

SECTION C. PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASES

Scarlet Fever.

16 persons were notified by doctors as suffering from scarlet fever during the year.

Whooping Cough.

109 persons were notified by doctors as suffering from whooping cough during the year.

Measles.

960 persons were notified by doctors as suffering from measles during the year.

Dysentery.

42 persons were notified by doctors as suffering from dysentery during the year. The majority of these cases were found in the course of routine investigation of persons who are showing no symptoms of intestinal disease. So far as Sonne dysentery at any rate is concerned the organism appears to be for the main part a commensal organism, that is to say an organism which occurs in the body without exerting any harmful effect.

Food Poisoning.

35 persons were notified by doctors as suffering from food poisoning during the year.

Meningococcal Infection.

9 notifications were received during the year.

Infective Jaundice.

79 cases were notified during the year.

Typhoid Fever.

1 case was notified during the year. This was a 5 year old boy who arrived in London Airport on 16/5/71 having left Karachi (W. Pakistan) on 15/5/71.

On 23/5/71 he developed a temperature with general malaise and some chest symptoms and was admitted to the Royal Gwent Hospital on 25/5/71. A blood culture showed the presence of an organism resembling salmonella typhi. The Senior Medical Officer at London Airport was informed.

Tests made on members of the family who had accompanied the boy on the flight and subsequent tests made on contacts of the household were found to be negative.

He was transferred to the Isolation Hospital and was discharged on 22/6/71 when his stools were negative.

He remains under the surveillance of the Health Department.

Tuberculosis.

28 persons were notified by doctors as suffering from tuberculosis during the year.

- Diphtheria
Acute Pneumonia
Smallpox
Acute Encephalitis
Paratyphoid Fever
Erysipelas
Puerperal Pyrexia
Anthrax
Malaria
Ophthalmia Neonatorum

No notifications were received during the year.

In accordance with the Joint Memorandum of the Ministeries of Education and Health, 1971, regulations for the exclusion of children from school on account of infectious diseases and incubation periods were amended.

INFECTIOUS AND OTHER NOTIFIABLE DISEASES
ANNUAL RETURN

Age Group	Scarlet fever		Whooping Cough		Acute Poliomyelitis		Measles (excluding rubella)		Diphtheria		Dysentery		Meningo-coccal infection		
					Paralytic										Non - Paralytic
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Under 1 year			27	9			21	29			1		2	3	
1 year							53	65			6				
2 years		2)	28	28			82	75			1	4			
3 years		1)					81	87			5	4		3	
4 years	1	1)					80	72			1	1			
5-9 years	4	5		19			160	134			4				
10-14 years				1			7	3					1		
15-24 years	1	1		1			4	3				2			
25 and over				1				1			2	3			
Age unknown							1	2			4	4			
Total (all ages)	6	10	50	59			489	471			23	19	3	6	

Age Groups	Small Pox		Acute encephalitis				Typhoid fever	Paratyphoid fever	Erysipelas	Food Poisoning		
			Infective		Post in- fectious							
	M	F	M	F	M	F	M	F	M	F	M	F
Under 5 years											7	7
5 - 14 years											2	2
15 - 44 years											4	6
45 - 64											2	1
65 and over											2	-
Age unknown											1	1
Total (all ages)											18	17

Age Groups	Tuberculosis					
	Respiratory		Meninges and C.N.S.		Other	
	M	F	M	F	M	F
Under 1 year						
1 year		1				
2 - 4 years		1				
5 - 9 years					1	
10 - 14 years	1					
15 - 19 years		1			1	2
20 - 24 years						
25 - 34 years	1	1			1	1
35 - 44 years	3	1				2
45 - 54 years	5					
55 - 64 years						2
65 - 74 years	2	1				
75 and over						
Age unknown						
Total	12	6			3	7

Other notifiable diseases -

		Male	Female
Ophthalmia neonatorum	...	-	-
Anthrax	...	-	-
Malaria	...	-	-
Infective Jaundice	...	40	39

SECTION D. SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLY

I am indebted to Mr. A.E. Guild, B.Sc., M. Inst. C.E. the Engineer and Manager of the Gwent Water Board for the following information.

The water supply has been satisfactory in quality and quantity throughout the area.

Bacteriological and Chemical analyses have been periodically taken on all sources of supply and from each treatment plant

AVERAGE CHEMICAL ANALYSES OF TREATED WATERS

(Supplies of 1000 m³/d. or more)

All Chemical results are expressed in milligrams per litre

	Taly- bont	Court Farm (Domestic)	Went- wood	Ynys- fro	Panty- reos	White- mill	Roger- stone Grange	Bhan Bran	Bulk Supply*
Turbidity (W.R.A. units—Fulbent 570)	5	Nil	Nil	5	10	5	Nil	5	Nil
Colour (Hazen units)	4	2	2	3	3	3	Nil	Nil	2
pH Value	8.6	8.7	7.7	8.2	8.0	7.8	8.1	7.8	8.0
Free Residual Chlorine	0.7	0.4	0.4	0.5	0.5	0.7†	0.3	0.4	Nil
Total Dissolved Solids (dried @ 180°C)	55	125	110	180	145	175	130	80	125
Suspended Matter (dried @ 105°C)	0.6	0.3	0.4	0.8	0.6	0.5	Nil	0.5	0.5
Chloride (expressed as Cl.)	7	12	13	12	11	14	13	8	14
Ammoniacal Nitrogen	0.031	0.025	0.024	0.034	0.035	0.20	0.039	0.020	0.043
(free ammonia expressed as N)									
Albuminoid Nitrogen (expressed as N)	0.091	0.110	0.081	0.140	0.105	0.120	0.055	0.060	0.120
Nitrate (expressed as N)	0.38	1.4	1.2	0.92	1.2	2.7	2.8	0.43	1.3
Nitrite (expressed as N)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Hardness, Total (expressed as CaCO ₃)	39	102	79	150	127	145	76	59	104
Hardness, Carbonate (expressed as CaCO ₃)	33	83	54	126	105	112	48	42	76
Hardness, Noncarbonate (expressed as CaCO ₃)	6	19	25	24	22	33	28	17	28
Iron (expressed as Fe)	0.02	0.03	0.03	0.01	0.03	0.04	0.02	0.04	0.07
Manganese (expressed as Mn)	0.01	Nil	0.01	Nil	0.01	Nil	0.01	Nil	0.01
Residual Aluminium (expressed as Al.)	N.A.	N.A.	N.A.	N.A.	N.A.	0.13	0.05	0.02	N.A.
Lead (expressed as Pb)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Zinc (expressed as Zn)	Nil	Nil	0.02	0.01	0.04	Nil	0.01	0.02	Nil
Oxygen absorbed from Permanganate Solution in 4 Hrs. @ 27°C	1.05	0.75	0.6	0.85	0.5	0.7	0.1	0.1	0.5
Free Carbon Dioxide (expressed as CO ₂)	Nil	Nil	2.5	2	2.5	3.5	1	1.5	2

* Bulk supply from Cardiff Corporation Waterworks (Llandegfedd) to all Divisions.

† Free and Combined Chlorine (chloramine treatment).

N.A.—Not Applicable.

Miscellaneous Information relating to the supply.

Number of Houses Supplied - from Public Water Mains	...	36,201
by means of Stand Pipes	...	Nil
Population Supplied (within the County Borough)	...	111,780

NEWPORT RAINFALL

	Monthly Rainfall 1971	Average 83 years
January	8.70"	4.21"
February	1.59"	2.91"
March	3.22"	2.86"
April	2.77"	2.58"
May	2.17"	2.73"
June	5.66"	2.34"
July	1.66"	3.02"
August	4.35"	3.82"
September	0.79"	3.20"
October	4.23"	4.23"
November	2.90"	4.12"
December	2.26"	4.50"
Whole Year	<u>40.30"</u>	<u>40.52"</u>

The total rainfall during the year was below average, six months being drier than the 83 year average and five months wetter. The total rainfall for the year (40.30") was 99.4 per cent of the 83 year average (40.52"). In the first half of the year, four months were wetter than the 83 year average and two months were drier and the total rainfall for the first half of the year (24.11") was 136.7 per cent of the 83 year average (17.63").

However, in the second half of the year only one month was wetter than the 83 year average and four were drier and the total rainfall for the second half of the year (16.19") was 70.7 per cent of the 83 year average (22.89"). The total monthly rainfall for January (8.70") being more than double the normal average (4.15") for January and the highest January total since 1948.

September was the driest on record since 1959.

Sewerage and Sewage Disposal Facilities.

I am grateful to Mr. D.P. Cartwright, C.Eng., F.I.C.E., F.I.Mun.E., F.I. Struct. E., Borough Engineer and Surveyor, for the following information -

On the question of the adequacy of the existing sewerage and sewage disposal facilities of the town, the Main Drainage Scheme is now well underway. Construction of Stage I is at an advanced stage and construction of Stage II has commenced.

Completion of Stage I and II will provide an adequate sewerage system and a full treatment sewage works for the greater part of the Eastern side of the Town.

Stage III of the scheme, which is being provided basically to provide adequate sewerage and sewage disposal facilities for the proposed residential development at Duffryn, is programmed to commence construction in 1974. Outfalls in the vicinity of the Pill district of the town will also be intercepted.

Additional areas on both the East and West sides of the town can be drained to the treatment works in subsequent phases of the scheme but the extent this is done will be dictated by the state of the estuary prevailing at the time.

THE ADMINISTRATION OF THE FACTORIES ACT, 1961

Part I of the Act

1. INSPECTIONS for purposes of provisions as to health (including Inspections made by Public Health Inspectors).

Premises	Number on Register	Number		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1,2,3,4 and 6 are to be enforced by Local Authorities	5	-	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	381	385	5	-
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworker's premises)	6	13	-	-
Total -	392	398	5	-

2. CASES IN WHICH DEFECTS WERE FOUND.

Particulars	Number of cases in which defects were found				No. of cases in which prosecutions were instituted
	Found	Remedied	Referred		
			To H.M. Inspector	By H.M. Inspector	
Want of Cleanliness (S.1)					
Overcrowding (S.2)					
Unreasonable Temperature (S.3)					
Inadequate Ventilation (S.4)					
Ineffective Drainage of floors (S.6)					
Sanitary Conveniences (S.7)					
(a) Insufficient					
(b) Unsuitable or defective	3	3		3	
(c) Not separate for sexes					
(d) Not maintained and kept clean	2	2		1	
Other offences against the Act (not including offences relating to Out-work	1	1		1	
Total -	6	6		5	

Part VII of the Act

Nature of Work	SECTION 133			SECTION 134		
	No. of out-workers in August list required by Sect. 133(1)(c)	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of Instances of work in un-whole-some premises	Notices served	Prosecutions
Wearing apparel	2					
Curtains and furniture hangings						
Stuffed Toys						
Total -	2					

SECTION E. INSPECTION AND SUPERVISION OF FOOD

Summary of samples taken with results

A. FORMAL AND INFORMAL SAMPLES SUBMITTED TO THE PUBLIC ANALYST FOLLOWING ROUTINE SAMPLING.

Description of Sample	Number taken		Description of Sample	Number taken	
	Informal	Formal		Informal	Formal
MILK.	108		VEGETABLE AND FRUIT PRODUCTS.		
DAIRY PRODUCTS.			Quick Dried Peas	1	
Cream	2		Fruit - tinned	2	1
Butter	1	1	Vegetables - tinned	2	
Margarine	4		Fruit pie	1	
Cheese	1	1	Grapefruit Juice - tinned	1	
Cheesespread	7		Frozen Peas	1	
Spray Dried Milk	1				
Ice Cream	6	7	SOFT DRINKS.		
Cooking fat	1		Foam Crystals	1	
Lard	1		Tonic Water	1	
Spread 'n Fill	1		Coffee Mate		1
			Malted Milk	1	
CEREAL PRODUCTS.			Fruit Drink	1	
Savoury Puffs	1		Coffee/Chicory Essence	1	
Natural Wheat Germ	1		Grapefruit Juice	1	
Diet Day	1				
Semolina	1		SPICES, SAUCES AND PICKLES.		
Soya flour	1		Spice Sauce	1	
Ready Sweet	1		Salad Cream	1	1
Baby food	1		Mayonaise		1
Muelsi Bar	1		Pickles	1	1
			Tomato Sauce	1	
BREAD AND CONFECTIONERY.			Sauce		1
Sliced Bread	1		White sauce mix	1	
Cream Doughnut	1				
Dessert - Caramel flavour	1		FISH AND MEAT PRODUCTS.		
Bread and Butter		3	Meat Pie	5	
Bread Roll	1		Beef sausage	2	
Sponge Mix	1		Pork Pie	4	
Cheese snack	1		Beef Burger	3	
Chocolate cake cover	1		Meat Pate	1	1
Ice-cream mix	1		Fish - tinned	5	
Biscuits	1		Meat - tinned	4	
Pancake mix	1		Meat Pasty	2	
Cake mix		1	Sausage Roll	2	
			Pork Sausage Meat	1	
JAMS, JELLIES AND PRESERVES.			Mixed Meat sausage	1	
Jiffy Jelly	1		Fish - fresh	1	
Jelly Cream	1		Tinned curried chicken	1	
Jam	2		Tinned Meat Balls	1	
Jelly crystals	1		Tinned Irish Stew	1	
Lemon Cheese	1		Potted Salmon and Butter	1	
			Bacon	1	
FOOD COLOURINGS AND FLAVOURINGS.			Pork sausage	2	
Silver Balls	2				
Food colouring	1		DRUGS AND MEDICINES.		
Food flavouring	2		Cream of Tartar	2	
			Zinc Ointment	1	
			Bronchial Mixture	1	
			Cold Sore Ointment	1	
			Parish's Syrup	1	
			Rapid energy tablets	1	
			Sweetners	2	

Continued/

Description of Sample	Number taken		Description of Sample	Number taken	
	Informal	Formal		Informal	Formal
DRUGS AND MEDICINES Continued.			MISCELLANEOUS.		
Cough Mixtures	1		Flour	3	
Digex Tablets	1		Pickled Egg	1	
Drug Tablets	8		Cooking Oil	1	
			Caterers Mix	1	
WINES AND SPIRITS			Sandwich Spread	7	
Gin		1	Ice lolly syrup	1	
Whisky		15	Seaweed preparation		
Vodka		4	(algavit capsules)	1	
			Tinned Custard	1	
SWEETS					
Milk Chocolate	1				
Whisky Chocolates	2				
Chocolate Liquers	1				

Prosecutions for Breaches of the Law.

Cases in 1971 arising from food complaints received within the Department are as follows:-

- Meat and Potato Pie - Mould - Manufacturer fined £10.
- Loaf of Bread - Containing Cotton - Manufacturer fined £10.
- Apple Pie - Mould - Manufacturer fined £10.
- Loaf of Bread - Mould - Retailer fined £10 plus £5.25 Witness fee.
- Sausage Roll - Mould - Manufacturer fined £10.
- Loaf of Bread - Oily deposits - Manufacturer fined £5.
- Sliced Ham - Decomposing - Retailer fined £5 plus £5 Costs.
- Welsh Cake - Containing Glass - Manufacturer fined £10.
- Apricots - Containing Insect - Cannors fined £5.
- Yogurt -Mould - Retailer fined £10.
- Veal Ham and Egg Pie - Mould - Manufacturer fined £10 plus £15.10 costs and witness fee.
- Chicken and Ham Pies (2) - Mould - Retailer fined £5 in each case.
- Meat Pasty - Mould - Manufacturer fined £10.

Warning letters were sent to several Retailers and Manufacturers during the year in connection with consumer complaints where it was decided not to take legal action.

Food Complaints.

A total of 90 Complaints relating to food sold to the public were received during the year and are categorised as follows:-

Foreign matter in Food	25
Mould ...	26
Other (Staleness, taste, appearance, etc.)	39

39 of these foods were submitted to the Public Analyst for Chemical examination. (Of the remainder 1 was submitted to the Public Health Laboratory for Bacteriological examination and 50 were examined by the Public Health Inspectors within the Department).

	Informal	Formal	Total
Number of samples submitted to Public Analyst	297	40	337
Number found genuine ...	260	39	299
Number found adulterated ...	37	1	38
Percentage adulterated ...	12.46	2.5	11.27

Bacteriological Examination of Milk.

As will be seen from the following table, 115 samples of Designated milks have been submitted for examination. 5 samples proved to be unsatisfactory.

Designation of Milk	No. of samples taken	Results of Examination	
		Satisfactory	Unsatisfactory
Pasteurised ...	114	109	5
Sterilized ...	1	1	-
Ultra Heat Treated	-	-	-
	115	110	5

Bacteriological Examination of Other Foods.

43 samples were taken during the year and submitted for examination. 41 samples were found to be satisfactory, but the remaining two samples received adverse reports.

Ice Cream (Heat Treatment, etc.) Regulations 1959.

35 samples were examined during the year. Of these 29 samples were regarded as satisfactory, but 6 reduced the methylene blue in 2 hours or less. 5 subsequent samples taken from the same sources proved to be satisfactory. However, the sale of ice cream was discontinued at the premises from which the remaining unsatisfactory sample was taken.

The Food Standards (Ice Cream) Regulations, 1959.

7 formal and 6 informal samples were taken during the year, 2 proved to be unsatisfactory. Further informal samples of ice cream mix used by producer/retailer proved to be satisfactory.

Food Inspection.

2,665 inspections and visits have been made to some sixteen different classes of premises and food vehicles where food is prepared, stored and/or exposed for sale.

Shell Fish.

There are no shell fish beds or layings within the Borough or Port of Newport.

ANNUAL REPORT OF THE CHIEF PUBLIC HEALTH INSPECTOR FOR 1971

The work carried out by the Public Health Inspectorate in Housing, the administration of Food and Drugs Act, the control of Atmospheric Pollution and Noise, Pest Control and other aspects of environmental hygiene is described in the following pages.

New Legislation.

The following enactments and Regulations affecting the functions of the whole Health Inspectorate came into operation during the year:-

Food Hygiene (General) Regulations, 1970
Public Health (Ships) Regulations, 1970
Colouring Matter in Food (Amendment) Regulations, 1970
Clean Air (Measurement of Grit and Dust from Furnaces) Regulations, 1971
Clean Air (Emission of Grit and Dust from Furnaces) Regulations, 1971
Diseases of Animals (Extension and Definition) Order, 1971
Milk (Eradication and Brucellosis) (Variation) Scheme, 1971
Preservatives in Food (Amendment) Regulations, 1971
Smoke Control Areas (Authorised fuels) (No.2) Regulations, 1971
Smoke Control Areas (Exempted Fireplaces) Order, 1971
Rag, Flock and Other Filling Materials Regulations, 1971
Poison (Amendment Rules), 1971
Smoke Control Areas (Authorised Fuels) No.3 Regulations 1971
Smoke Control Areas (Authorised Fuels) Regulations 1971
Meat Inspection (Amendment) Regulations, 1971.

4,920 complaints relating to all aspects of the work were investigated an increase of 386 complaints as compared with 1969.

1,467 sanitary defects were remedied during the year, details of which are included in the following table.

NUISANCES ABATED AND SANITARY DEFECTS REMEDIED, ETC., COMPARING THE YEARS 1970 and 1971		1970	1971
EXTERIOR			
Chimney Stacks rebuilt or repaired		6	5
Roofs repaired or renewed		85	53
Rainwater pipes and eaves gutters renewed or repaired		73	50
Walls - rebuilt or repaired		10	7
rendered for the prevention of dampness		35	32
external plastering repaired		7	7
damp proof courses inserted		18	18
Outbuildings repaired		-	-
Obstructive outbuildings demolished		-	-
Yards, passages, etc., paved or repaired		7	3
INTERIOR			
Doors and frames renewed or repaired		14	8
Floors renewed or repaired		24	12
Floors ventilated		-	-
Grates or ovens renewed or repaired		5	4
Internal plastering (walls) repaired or replastered		26	5
Internal plastering (ceilings) repaired or replastered		22	10
Lighting or Ventilation of rooms improved		-	1
Food Store renewed or repaired		5	1
Staircase repaired		-	1
Windows and frames renewed or repaired		40	14
Window cords renewed		27	8
DRAINAGE			
New drains constructed		1	1
Drains cleansed		545	528
Drains reconstructed		4	5
Drains repaired		69	43
Drains tested		71	67
Street Gullies renewed or repaired		-	2
Street Gullies cleansed		24	26
Gullies cleansed		50	25
Gullies renewed or repaired		8	18
Inspection Chambers provided or repaired		17	21
Intercepting traps provided or repaired		-	1
Lavatory basins or bath waste pipes trapped or repaired		7	4
Soil pipes or ventilating shafts fixed or repaired		15	10
Sink troughs provided		2	2
Sink troughs trapped or waste pipes repaired		14	19
Rainwater pipes disconnected from drains		1	1
WATER CLOSETS			
Additional Water closets provided		2	-
Intervening Ventilated spaces provided		1	-
Water closet buildings repaired		8	2
Seats, doors renewed or repaired		5	2
Lighting and ventilation of water closet improved		2	-
Water closets reconstructed		1	2
Water closet pans cleansed		23	30
New water closet pans and traps fixed		16	10
New Joint between water closet pan and flush pipe /outlet pipe		3	7
Flushing apparatus renewed		10	6
Flushing apparatus repaired		14	17
MISCELLANEOUS REPAIRS AND NUISANCES ABATED.			
Premises secured		-	57
Storage accommodation provided or improved		-	-
Refuse Bins Provided		-	5
Accumulations removed		74	104
Animals, nuisances from abated		5	8
Overcrowding abated		-	1
Water supply provided		2	-
Water taps or pipes repaired		10	30
Other repairs and nuisances abated		221	174
TOTALS -		1,629	1,467

HOUSING

CLEARANCE AREAS.

Wolseley Street/David Street/Watchhouse Parade Area.

Clearance Areas were declared and a Compulsory Purchase Order was made affecting 69 properties. The Order was submitted to the Secretary of State for Wales for confirmation in July, 1971.

Francis/William Area.

Clearance Areas were declared and a Compulsory Purchase Order was made affecting 258 properties. This was the first Compulsory Purchase Order made under the Redevelopment Scheme for Pillgwenlly.

Hewertson Street/Henry Street Area.

A Clearance Area was declared and a Compulsory Purchase Order was made affecting 74 properties.

North Street/Scard Street/St. Mary Street Area.

Clearance Areas were declared and a Compulsory Purchase Order was made affecting 40 properties. This was the first Compulsory Purchase Order to be made in the Baneswell Area since the future of the area was decided by the Council following the report upon the survey of the area.

Devon Place Clearance Order.

A Clearance Order was made affecting 9 properties. The Order was submitted to the Secretary of State for Wales for confirmation in October 1971.

Pentonville Clearance Order.

A Clearance Order was made affecting 2 properties. The Order was submitted to the Secretary of State for Wales for confirmation in November, 1971.

Hill Street Area.

The Compulsory Purchase Order made in 1970 and affecting 9 houses was confirmed by the Secretary of State for Wales.

Park Square/Hill Street Area.

The Compulsory Purchase Order made in 1970 and affecting 22 houses was confirmed by the Secretary of State for Wales with the exception of 3 houses which were excluded from the Order.

Properties Demolished.

29 Dwellings which were the subject of Clearance Orders and a Compulsory Purchase Order were demolished during the year. These were Ford Street - 4 houses, Emlyn Street - 2 houses, Granville Street/Canal Parade - 23 houses. 1 house, namely 59 Hoskins Street, which was subject to a Demolition Order was demolished. At the same time, 2 adjacent houses, namely 57 and 58 Hoskins Street, which were in Council ownership, were also demolished.

Individual Unfit Houses.

Action under the Housing Act, 1957 resulted in 35 Closing Orders being made. Five Closing Orders were revoked after the houses had been made fit for human habitation.

20 families comprising 72 persons were re-housed by the Council.

Houses Repaired - Public Health Acts 1936 and 1961.

1,066 houses were repaired or secured, 416 by the Corporation either in default or at the owners request. Repairs carried out to roofs numbered 53 and 18 damp proof courses were inserted. It

was necessary to serve 350 Statutory Notices under the Public Health Act 1936 (of which 262 were Requisitions for Information); and 108 under the Public Health Act 1961 in this connection. Also 371 Notices were served under the Newport Corporation (General Powers) Act, 1934 and 23 Notices under the Newport Corporation Act 1954 in connection with the repair and cleansing of drains and private sewers respectively.

Houses in Multiple Occupation - Housing Acts 1961 and 1964.

During the year action was taken to deal with unsatisfactory conditions in further houses which became known as being in multiple occupation. In some cases informal approaches to owners resulted in additional facilities being installed and overcrowding abated. It was necessary, however, to serve 7 Statutory Notices 3 under Section 15 requiring additional facilities, 3 under Section 16 requiring provision of means of escape in case of fire, and 1 under Section 19 limiting the number of individuals to occupy the house.

Qualification Certificates.

181 applications for individual houses were received for Qualification Certificates under the Housing Act 1969. Of these, 90 Certificates were issued and 45 were refused.

In 41 cases, the respective landlords were advised of necessary repairs required for their properties before applications for Certificates could be further considered.

The remaining applications were either withdrawn by landlords, or received too late in the year for action by the Department during 1971.

Seamen's Lodging Houses.

There are three Seamen's Lodging Houses with accommodation for 61 seamen, registered with the Council under the Merchant Shipping Act, 1894.

12 visits were made to these premises during the year and only informal action was necessary to ensure that a satisfactory standard was maintained.

Caravan Sites and Moveable Dwellings.

On a number of occasions during the year it was necessary to take action to remove caravan dwellers who occupied land within the Borough without authority. 215 Caravans were removed. These itinerants gave rise to nuisances and caused considerable annoyance to residents; considerable work was involved in cleaning up the sites after their eviction.

Improvement Grants.

Reports were made to the Borough Architect in respect of 657 houses which were the subject of standard and Improvement Grant applications.

Inspection of Houses for the purpose of Council Mortgages.

All houses constructed prior to 1919 which are the subject of loan applications are inspected by the Public Health Inspectorate to assess -

1. Fitness.

2. The extent of repairs necessary to ensure that subject to reasonable care and maintenance the houses will remain fit for human habitation for a period in excess of that of the loan.

297 houses were so inspected during the year.

The inspection of pre 1919 constructed houses subject to existing Corporation Mortgage Loans was continued this year to ensure that the houses were maintained in a fit and satisfactory condition.

FOOD HYGIENE

Course for Food Handlers.

A further course for Food Handlers for the Royal Society of Health Certificate in the Hygiene of Food Retailing and Catering was held at the Nash College of Further Education in conjunction with the Newport Education Authority.

Students from food factories, catering premises and food retailers attended and all qualified for the award of the Certificate of the Royal Society of Health.

Mr. J.B. Williams, Senior District Public Health Inspector, was the Course Tutor.

ADMINISTRATION OF THE FOOD AND DRUGS ACT, 1955

Food Premises.

The number of food premises in the register maintained by the Department stood at 1,727 at the end of the year and consisted of -

Bakehouses	...	11
Butchers	...	110 (incl. Market Stalls)
Cooked Meat Shops		97 (incl. Market Stalls)
Fish and Fruit	...	175 (incl. Market Stalls)
Take-away meals	...	69
Hotels and Guest Houses		26
Ice Cream	...	380
Provision Shops and Stores		408 (incl. Market Stalls)
Restaurants and Kitchens		120 (incl. Canteens)
Other food premises		331
		<u>1,727</u>

A total of 2,665 visits (as shown in the table on the following page) were made by your officers in connection with the inspection and supervision of the preparation, handling and storage of food. In addition 365 visits were made to the Public Analyst, Public Health Laboratory and interviewing members of the public in connection with the sampling of food and the investigation of complaints.

	Visits	Re-visits
Dairies, Milkshops, Milk Distributors	127	20
Bakehouses	9	3
Butchers' Premises	96	29
Cattle Market	44	28
Cooked Meat Shops	30	2
Fish and Fruit Premises	40	21
Take-away Meals	55	41
Food vehicles	137	31
Ice Cream Premises and Vehicles	44	9
Provision Market	38	20
Provision Shops and Stores	475	165
Restaurants and Kitchens	282	149
Other Food Stores	121	31
Merchandise Marks Act	62	-
Works and School Canteens	65	13
Wholesale Meat Depots	472	5
Railway Station re food	1	-
	<u>2,098</u>	<u>567</u>

The continued enforcement of the Food Hygiene Regulations, 1970, has resulted generally in the improved standards in all good premises being maintained.

In the case of all new or altered food premises, detailed plans were passed to this department for examination and comment at the time of submission to the Council and as a result compliance with the

Food Hygiene Regulations was discussed with the firms concerned and many amendments and improvements were incorporated to satisfy our requirements.

Food Hygiene Regulations 1960 and 1970.

63 Notices including 1 second notification were served and 31 were complied with during the year.

Legal proceedings were taken against a proprietor of a restaurant for 9 offences under the Regulations. Fines totalling £25 were imposed.

Food Hygiene (Markets, Stalls and Delivery Vehicles) Regulations 1966.

24 Notices were served.

Hawkers of Food.

10 persons were registered during the year as hawkers of food within the borough under Section 83 of the Newport Corporation Act, 1954, making a total of 71 Registrations.

It was necessary to serve 23 Notices on registered hawkers to ensure compliance with the provision of the Food Hygiene (Market, Stalls and Delivery Vehicles) Regulations, 1966.

Food and Drugs sampling.

40 Formal and 297 Informal Samples of a wide variety of foods and drugs were submitted for analysis by your Inspectors during the year. Details of these samples, the results of the analysis and of action taken on unsatisfactory samples are contained on pages 43-45 of this report.

Labelling of Food.

Labels on various foodstuffs were examined during routine visits to food premises and in the course of sampling under the Food and Drugs Act. Although not of a serious nature, a number of contraventions of the Labelling of Food Order were found. On being notified the manufacturers took appropriate action to comply with the Order.

Refreshment Houses Act.

Licences were issued in respect of 18 Refreshment Houses permitting them to remain open between the hours of 10.00 p.m. and 5.00 a.m.

Food Complaints.

Legal proceedings were taken in respect of 13 complaints involving 14 charges, (6 of which were lodged in 1970) resulting in 14 convictions with fines totalling £115 plus £17 costs in respect of two cases (£5 + £12) and £8.35 witness fees (£5.25 + £3.10) in respect of two cases.

Details of the complaints and of the action taken in each case are set out on page 44 of this report.

Food Condemned.

Following requests for examination of suspected foodstuffs by manufacturers, wholesalers and retailers and also as a result of routine inspection the undermentioned foods were found to be unfit for human consumption and were destroyed by the Local Authority.

Description		Amount in lbs. condemned due to Damage and/or Decomposition
Meat	...	10,526
Fish	...	257
Other Foods	...	37,507
Tinned Foods	...	12,747
		61,037

Milk.

There are 12 dairies registered under the Milk and Dairies Regulations, 1959.

108 Informal samples were taken for the purpose of chemical analysis and all proved to be satisfactory.

115 samples were taken for bacteriological examination and 110 conformed with the requirement of the Milk (Special Designations) Regulations, 1960. 5 failed one of the two tests to which they were submitted; 3 of the unsatisfactory samples were taken from dispensing and vending machines, 1 from a school canteen and the remaining unsatisfactory sample from a provision shop. 5 samples taken from the same sources proved satisfactory.

Ice Cream.

There are 380 premises in the Borough registered for the sale of Ice Cream.

13 samples were taken for the purposes of the Food Standards (Ice Cream) Regulations, 1959. 11 proved to be satisfactory, but the remaining 2 samples taken from same source were found to be deficient in fat content.

35 samples were taken for bacteriological examination for the purposes of the Ice Cream (Heat Treatment) Regulations. The results were as follows:-

Grade I	Grade II	Grade III	Grade IV
22	7	3	3

In the case of the samples in Grades III and IV follow up samples proved to be satisfactory.

Water Supply.

66 samples (44 for Bacteriological Examination and 22 for Chemical Analysis) of domestic water supply were taken during the year and all proved to be satisfactory.

Swimming Baths and School Swimming Pools.

Regular checks were made on the quality of the water in the two Public Baths and the School Swimming Pools at Hartridge and Duffryn High Schools and St. Julians Junior School (open air pool); also in a Hydrotherapy Pool at the Physiotherapy Unit, Eveswell Health Clinic.

All 158 samples taken proved satisfactory.

Disease of Animals Act.

There was an outbreak of Fowl Pest on one smallholding and all the poultry were slaughtered.

Regular inspections were made at the Cattle Market to ensure compliance with the requirements of the Market, Sales and Lairs Orders.

A check was made on all keepers of Pigs and Poultry in connection with the enforcement of the Waste Food Order. A warning was issued in respect of a contravention of the Order on the premises affected by the Fowl Pest outbreak.

Rodent Control - Surface.

The following extracts from Form I.R.31 as supplied to the Ministry of Agriculture, Fisheries and Food summarises the work carried out under the Prevention of Damage by Pests Act, 1949.

	Type of Property	
	Non-Agricultural	Agricultural
Properties Other Than Sewers -		
1. Number of properties in district	42,413	24
2. a. Total number of properties (including nearby premises) inspected following notification	2,810	-
b. Number infested by (i) Rats	965	-
(ii) Mice	718	-
3. a. Total number of properties inspected for rats and/or mice for reasons other than notification	310	8
b. Number infested by (i) Rats	28	-
(ii) Mice	76	-

Free treatments were carried out to eradicate the infestations in all the premises affected.

Rodent Control - Sewers.

Surface infestation is closely linked with the rat population in sewers and for this reason systematic baiting of the manholes on the main sewerage system and outfalls was carried out during the year.

ATMOSPHERIC POLLUTION

Clean Air Acts 1956 and 1968.

Warning letters were sent to the proprietors of two Scrap Metal Companies, following contraventions of the Clean Air Act, 1968 in respect of Dark Smoke emissions.

The Clean Air Act, 1968 also gave local authorities greater control over the height of chimneys serving boiler plants and heating systems, and during the year seven applications were received and approved in this connection.

Measurement of Atmospheric Pollution.

The Tables set out below indicate the level of pollution from smoke and sulphur dioxide in the different types of area in the Town, namely:-

Section 1	Hartridge School Low Density residential area - Post War Development.
Section 2	Duffryn Junior High School Town Centre - subject to effect of high traffic density
Section 3	Alexandra School High Density Residential Area - Old Terraced Houses.

Comparison can also be made with previous years.

Atmospheric Pollution - Volumetric Analysis.

CONCENTRATION OF SULPHUR DIOXIDE IN MICROGRAMMES PER CUBIC METRE

MONTH	HARTRIDGE SCHOOL				TOWN CENTRE				ALEXANDRA SCHOOL			
	1968	1969	1970	1971	1968	1969	1970	1971	1968	1969	1970	1971
January	67	64	63	58	84	104	70	73	71	85	76	79
February	68	59	65	66	81	115	70	63	71	90	123	76
March	64	51	55	66	90	69	70	61	92	83	69	73
April	63	47	47	47	78	58	44	53	80	64	60	61
May	33	34	47	46	60	48	60	43	55	60	55	59
June	27	32	31	52	31	54	33	46	47	47	42	68
July	27	27	31	48	35	35	38	48	34	40	38	47
August	43	38	34	31	38	51	38	38	39	46	42	31
September	43	36	39	48	69	*	37	64	61	52	59	70
October	35	30	58	52	58	*	70	55	54	44	78	62
November	40	48	58	62	70	*	58	84	74	64	68	89
December	45	55	58	60	80	*	61	75	67	74	80	68

* Station discontinued due to demolition of premises.

CONCENTRATION OF SMOKE IN MICROGRAMMES PER CUBIC METRE

MONTH	HARTRIDGE SCHOOL				TOWN CENTRE				ALEXANDRA SCHOOL			
	1968	1969	1970	1971	1968	1969	1970	1971	1968	1969	1970	1971
January	39	44	59	43	57	86	71	60	110	112	102	53
February	49	39	33	52	63	77	33	51	71	119	83	102
March	31	49	32	25	50	56	36	39	65	97	63	50
April	22	17	24	27	42	34	35	35	48	27	37	36
May	18	15	25	20	32	37	28	26	30	36	30	23
June	14	17	19	19	30	25	16	22	25	20	20	22
July	12	12	8	11	30	19	14	16	21	27	10	16
August	12	15	15	20	22	29	15	17	19	25	27	20
September	17	16	21	20	34	*	22	38	31	31	17	31
October	25	35	39	31	71	*	30	36	37	48	41	43
November	28	48	41	52	72	*	40	54	55	66	49	73
December	30	56	84	70	83	*	96	53	67	56	86	54

* Station discontinued due to demolition of premises.

Noise Abatement.

A problem from amplified noise was encountered at one large Club and efforts were made to reduce this with a certain amount of success.

There was again a considerable variety of noise sources which were the subject of complaints to the Department during the year, some of which were Garage Repair Work, Traffic Noise, Ice Cream Van Chimes, Pneumatic Drills and Mechanical Fans.

With the co-operation of those responsible, and after a considerable amount of time and effort had been expended by all concerned, the nuisances were abated in most cases.

Liaison with H.M. District Inspector of Factories was maintained in all noise complaints relating to factory premises.

Disinfection and Disinfestation Work.

The following work was carried out during the year.

	General	Tuberculosis	Vermin	Total
Premises treated	491	2	214	707
Rooms treated	742	7	742	1,491

Rag Flock and Other Filling Materials, 1951.

There were no premises in the Borough where filling materials were manufactured, and no premises using filling materials to make up new articles.

Fertilisers and Feeding Stuffs Act, 1926.

During the year 9 Informal samples of Fertilisers and Feeding Stuffs were taken from wholesale and retail premises and submitted for analysis. All proved to be in accordance with statutory statements and the registers and other records kept on the premises were found to comply with the Act.

Toys (Safety) Regulations 1967.

10 Toys were submitted for analysis during the year and all complied with the Regulations.

Stands for Carry-Cots (Safety) Regulations, 1963.

11 inspections were made and no contraventions of the Regulations were found.

Riding Establishments Act 1964.

There were no such establishments in operation during 1971.

Scrap Metal Dealers Act, 1964.

Licences were issued to 4 new Scrap Metal Dealers operating in the Borough, in accordance with this Act. There were 31 dealers on the Register at the end of the year.

Pharmacy and Poisons Act, 1933.

37 Licences were issued to occupiers of premises selling Part II Poisons. 6 new Licences and 31 Renewals).

Periodical inspections were made to ensure that the provisions of the Act were observed.

Pet Animals Act, 1951.

9 Premises (including two market stalls) were licensed to keep pet animals during the year.

Merchandise Marks Act, 1926.

62 visits were made to butchers, greengrocers, grocers, fishmongers, and other food premises to ensure the proper marking of imported meat, fresh apples, raw tomatoes, eggs in shell, dried eggs, currants, sultanas, raisins, oat products, honey, butter, dead poultry, bacon and ham.

Registration of Hairdressers.

The number of Hairdressers registered under Section 89 of the Newport Corporation Act, 1954 at the end of the year was -

Ladies Hairdressers	103
Gentlemens Hairdressers	38

Periodic inspections were carried out to ensure that all these premises continued to satisfy the requirements of the Byelaws.

Administration of Offices, Shops and Railway Premises Act, 1963.

By the end of the year 1,166 premises remained on the Register. A total of 9,517 persons (3,778 males and 5,739 females) were employed in these premises; of these 3,869 were employed in offices and 5,648 in shops (including wholesale depots, warehouses, catering establishments, canteens and fuel storage depots).

Immediate attention was given to specific complaints from persons working on registered premises, although such complaints were few.

During the course of the year, 300 of the registered premises were the subject of general inspections and following those inspections it was necessary to serve 140 notices on owners and occupiers in respect of 333 various contraventions of the requirements of the Act and Regulations made thereunder.

The following table shows the total number of various individual contraventions included in the notices served.

Section	Item	No. of Contraventions
4	Cleanliness	13
5	Overcrowding	-
6	(a) Temperature	9
	(b) Provision of the thermometers	59
7	Ventilation	5
8	Lighting	7
9	Sanitary Conveniences	24
10	Washing Facilities	29
11	Drinking Water	1
12	Clothing Accommodation	5
13	Sitting Facilities - Shops	1
14	Sedentary Workers - Seats	-
15	Eating Facilities - Shops	-
16	Floors, Passages, Stairs	13
17	Fencing of dangerous machinery	2
24	First Aid Box	74
50	Abstract of Act - display of	91
		<hr/> 333

There was an increase in the number of accidents reported (31 as compared with 25 in 1970). It was considered necessary to investigate the circumstances giving rise to 14 of those accidents.

In no case was it considered necessary to recommend the prosecution of employers for failure to comply with the requirements of the Act.

I take this opportunity of thanking the Public Health Inspectors and other members of the staff for their valuable assistance and co-operation throughout the year.

R.G. COSLETT,
Chief Public Health Inspector.

ANNUAL REPORT BY THE PUBLIC ANALYST FOR 1971

Food and Drugs Act 1955.

During the year 1971 a total of 337 samples were received, being made up of 40 formal and 297 informal samples.

This total is 41 samples less than the samples received in 1970, the 1970 total showing a fall over previous years.

Milk.

109 samples of Milk were taken, the average composition was satisfactory with the following results:-

3.61% FAT 8.89% SOLIDS NOT FAT 12.50% TOTAL SOLIDS

No samples of Milk were received for antibiotic residues.

No samples of Milk infringed the Food and Drugs Act, or the Milk and Dairies Regulations.

Other samples of foodstuffs and drugs submitted have been tabulated in accordance with my usual practice.

	Formal	Informal	Total	Adulterated
Dairy Products	9	29	38	6
Cereals	-	10	10	1
Bread/Confectionery	4	23	27	11
Jams/Preserves/Jellies	-	6	6	-
Vegetables/Fruit Products	1	11	12	3
Soft Drinks	1	6	7	-
Spices/Sauces/Pickles	4	5	9	-
Food Colourings/Decorations/ Flavourings	-	5	5	-
Fish/Meat Products	1	52	53	14
Wines/Spirits/Beers	20	-	20	-
Drugs/Medicines	-	19	19	-
Miscellaneous	-	17	17	2
Sweets/Chocolates	-	5	5	1
Totals	40	188	228	38

The total of adulterated samples was 38 or 11.27% which is a little better than the year 1970, but despite this the figure is still extremely high and is not due to fraudulent sophistication but to carelessness in manufacture, and this includes excessive storage or other physical deterioration.

Details of the adulterated samples are as follows:-

A Bun contained a metal staple.
 Two samples of Soft Ice Cream were 83% and 89.4% respectively fat deficient.
 A sample of "Dipped Flake" showed bloom due to overlong storage.
 A sample of Potted Shrimps was decomposing.
 A sample of Spaghetti was heavily infested with insects.
 A Doughnut was rancid.
 A Sausage Roll was mouldy.
 Two samples of Bread contained dirty oily dough.
 Two samples of Bread were mouldy.
 A Veal, Ham and Egg Pie was mouldy.
 A Chicken and Ham Pie was mouldy - (one sample covering two pies).
 A Pork Pie contained the plastic tube of a ball point pen.
 A Chocolate Eclair was mouldy.
 A Bread Roll contained an insect.
 A Bread Roll contained strands of tobacco.
 A sample of Bread contained a piece of cardboard.

A sample of Bread contained a fly, baked in it.
Two samples of Yoghurt were mouldy.
A Pork Pie was mouldy.
A Black Pudding contained a piece of metal.
A sample of Corned Beef was mouldy.
A sample of Ham was decomposing.
A sample of Double Cream was separating and souring.
A sample of Chicken Sandwich contained gelatine instead of sliced chicken.
A sample of Beef Sausage was mouldy.
A sample of Tinned Strawberries was mouldy.
A sample of Cheese Spread with Onion was mouldy.
A sample of Tuna Fish was decomposing.
A sample of Grapefruit Juice (Canned) was condemned as it contained 7.2 p.p.m. Lead.
A sample of Algivit was incorrectly labelled.
A sample of Meat Pie contained two pieces of wire.
A sample of Bacon contained rust and was deteriorating.
A sample of frozen Garden Peas was decomposing.
A sample of High Protein Baby Food was deteriorating because of long storage.

During the year there was some legislation which affected the work of the Public Analyst. The major item was a Statutory Instrument (No.882 of 1971) which amended the amounts of nitrates (500 parts per million) or nitrites (200 parts per million) which could be in bacon, ham or pickled meat. These limits apply to all cooked or uncooked pickled meats.

The Farm and Gardens Regulations (S.I.729 of 1971) require that certain products are clearly labelled if they contain any of the substances mentioned in the schedule to these Regulations (this particularly applies to weed killers, pesticides and growth controllers). In various Therapeutic Substances Regulations limits are placed upon the amount of certain antibiotic and chemo therapeutic substances supplied for agricultural purposes and present in Feeding Stuffs.

Fertilisers and Feeding Stuffs Act 1926.

During the year nine samples were submitted to me, seven being Feeding Stuffs and two being Fertilisers. All samples conformed with the guarantee, and hence were genuine. This total of nine samples is a further fall from the total of 15 received last year.

Toy Safety Regulations.

Ten samples of Toys were taken under these Regulations and all were satisfactory.

Water Examination.

Quarterly chemical and bacteriological examinations are made on the water supplied to the Borough, and a satisfactory standard of purity is maintained.

Swimming Bath Water.

Samples are submitted at intervals from the various public baths and also the school swimming baths to ensure that the water is of high quality and not liable to cause irritation of the mucosa or complaints of smarting of the eyes. This is being achieved and complaints are minimal.

Radioactivity.

Regular samples continue to be monitored in conjunction with other Local Authorities, and the results confirm that a satisfactory low level is maintained.

Atmospheric Pollution.

The results obtained for examination of deposit gauges are tabulated herewith, and are of insoluble solids expressed as tons per square mile per month, and have been rounded off to the nearest 0.1 ton.

	Monsanto			
	S.W.	N.E.	Hartridge Farm	Eastmoor Road
January	17.5	13.0	20.1	23.7
February	19.2	15.7	8.5	12.2
March	12.5	21.6	14.5	17.4
April	12.7	-	9.0	13.7
May	20.9	7.8	10.7	13.7
June	2.2	3.8	7.7	9.2
July	12.8	10.9	7.2	10.0
August	10.0	10.2	9.8	9.1
September	6.1	3.8	8.0	-
October	6.8	8.7	4.5	-
November	-	21.5	9.7	-
December	7.6	17.6	8.7	-

These results are somewhat worse than those of 1970, although the general level of results is still better than those of say twenty years ago.

During the year, the necessary results having been obtained at Eastmoor Road, the station was closed.

In conclusion I would like to thank Dr. W.B. Clark the Medical Officer of Health, Mr. R.G. Coslett the Chief Public Health Inspector and their Staffs for helpful co-operation throughout the year.

I have the honour to be, Ladies and Gentlemen,

Yours faithfully,

G.V. JAMES,

Public Analyst.

ACKNOWLEDGEMENTS

To my staff I extend my sincere thanks for their efforts in the past. All members whether administrative, professional, technical or clerical have given excellent service often under difficulties caused by pressure of work and shortage of staff.

Also I wish to thank members of the Health Committee for the encouragement and support which they are ever ready to give.

I very much appreciate the co-operation received from Drs. R. Prosser and J.E. Cawdery, Consultant Paediatricians, Dr. R.D. Gray, Public Health Laboratory Service and Dr. G.V. James, Public Analyst.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

W.B. CLARK,

Medical Officer of Health.

Public Health Department,
Civic Centre,
Newport, Mon.

LOCAL AUTHORITY HEALTH STATISTICS

A. BIRTHS.

Actual number of births in the Authority's area during the year as notified under Section 203 of the Public Health Act, 1936 or Section 255 of the Public Health (London) Act, 1936, adjusted by any notifications transferred in or out of the area.

	Adjusted Live Births	Adjusted Stillbirths	Total Adjusted Births
1. Domiciliary	193	-	193
2. Institutional	1,753	24	1,777
3. Total	1,946	24	1,970

B. PREMATURE BIRTHS.

Number of premature births (as adjusted by any notifications transferred in or out of the area).

Weight at Birth	Premature live Births											Premature Stillbirths		
	Born in Hospital				Born at home or in a nursing home									
					Nursed entirely at home or in a nursing home			Transferred to hospital on or before the 28th day						
	Total Births	Died			Total Births	Died			Total births	Died				Born
Within 24 hours of birth		In 1 and under 7 days	In 7 and under 28 days	Within 24 hours of birth		in 1 and under 7 days	in 7 and under 28 days	Within 24 hours of birth		In 1 and under 7 days	In 7 and under 28 days	In hospital	At home or in a nursing home	
2lb. 3oz or less	6	4	2		1								2	
Over 2lb.3oz up to and including 3lb.4oz	7	4	1										5	
Over 3lb.4oz up to and including 4lb.6oz	18	3			2								4	
Over 4lb.6oz up to and including 4lb.15oz	28	1	1		2	1			1		1		4	
Over 4lb.15oz up to and including 5lb.8oz	79	3	1		7								2	
Total	138	15	5		12	1			1		1		17	

CLINIC SERVICES

A. ANTE-NATAL AND POST-NATAL CLINICS.

Number of women in attendance		Number of sessions held by				Total Number of Sessions
For antenatal examination	For postnatal examination	Medical Officers	Midwives	G.P.s employed on a sessional basis *	Hospital Medical Staff	
137	-	57	132	-	-	189

* Does not include sessions held by general practitioners for their own patients.

B. ANTE-NATAL MOTHERCRAFT AND RELAXATION CLASSES.

Number of women who attended during the year	Institutional booked	83
	Domiciliary booked	13
	Total ...	96
Total number of attendances during the year	371

C. CHILD HEALTH CLINICS.

Number of children who attended during the year			Number of sessions held by				Total number of Sessions
Born in 1971	Born in 1970	Born 1966-1969	Medical Officers	Health Visitors	G.P.'s employed on a sessional basis *	Hospital medical Staff	
1,963	2,105	1,667	524	771	-	-	1,295

D. NO. OF PREMISES IN USE AT END OF YEAR.

Health centres (Section 21)			1
Maternity and child health centres (Section 22)	a.	purpose built	5
	b.	adapted	3
	c.	mobile	-
Other buildings	a.	general practitioner surgeries (excluding those in health centres)	1
	b.	premises used on a sessional basis solely in connection with mobile child health centres	-
	c.	other premises (e.g. church halls) occupied on a sessional basis	2
TOTAL			12

HEALTH VISITING, HOME NURSING

HEALTH VISITING.

Cases visited by Health Visitors	Number of Cases
Total number of cases	25,043
Children born in 1971	1,981
Children born in 1970	2,010
Children born in 1966-69	6,659
Total number of children in lines 2-4	10,650
Persons aged 65 or over	1,342
Number included in line 6 who were visited at the special request of a G.P. or hospital	883
Mentally disordered persons	-
Number included in line 8 who were visited at the special request of a G.P. or hospital	-
Persons, excluding Maternity cases, discharged from hospital (other than mental hospitals)	27
Number included in line 10 who were visited at the special request of a G.P. or hospital	12
Number of tuberculosis households visited	142
Number of households visited on account of other infectious diseases	414
Other cases	2,270
Number of tuberculosis households visited by tuberculosis visitors	664

HOME NURSING

Total number of persons nursed during the year	2,462
Number of persons who were aged under 5 at first visit during the year	61
Number of persons who were aged 65 or over at first visit during the year	783

DELIVERIES ATTENDED BY DOMICILIARY MIDWIVES

Number of domiciliary confinements attended by midwives under N.H.S. arrangements					Number of cases delivered in hospitals and other institutions but discharged and attended by domiciliary midwives before 10th day
Doctor not booked		Doctor booked		Total	
Doctor present at Delivery	Doctor not present at Delivery	Doctor present at delivery (either the booked doctor or another	Doctor not present at Delivery		
-	6	6	181		
				193	1,633

ATTENDANCES AT NON-ASSOCIATED CLINICS FOR THE YEAR.

Clinic	Postal Address	Specialty	No. of Clinics held during 1971	No. of new patients seen	Total attendances
School Clinic	Clytha Park Rd.	E. N. T.	44	294	614
		* Ophthalmology	172	543	1,424
School Clinic	Civic Centre	Psychiatric children	122	174	675

* These figures include Refraction Clinics held each Friday Afternoon at St. Woolos Hospital and staffed by Assistant M.O.H's.

The individual figures for St. Woolos Hospital Clinics referred to are as follows:-

Clinics Held	New Patients Seen	Total Attendances
41	140	347

REGISTRATION OF NURSING HOMES UNDER SECTIONS 187 TO 194 OF THE PUBLIC HEALTH ACT 1936 AS AMENDED BY THE NURSING HOMES ACT 1963.

	Number of Homes	Number of beds provided		
		Maternity	Other	Total
Homes registered during year	-	-	-	-
Homes whose registrations were withdrawn during year	-	-	-	-
Homes on register at end of year	4	12	87	99

FAMILY PLANNING SERVICES

LOCAL AUTHORITY SERVICES (Direct Services only)

	Number of new patients seen during the year		
	Married (including the widowed, separated or divorced)	Unmarried	Total
Male	-	-	-
Female	559	33	592
Total	559	33	592

	Medical cases	30
Number of new patients seen	Non-medical but needy	534
during the year who were -	Other non-medical cases	28
	Total	592

Total number of attendances during the year (including new patients)		1,409
Number of premises regularly used for family planning sessions at end of year		4
Number of “doctor” sessions or “nurses only” sessions held during the year	Doctor sessions	146
	Nurse only sessions	106
	Total	252

CHIROPODY TREATMENT

Number of persons treated -

Persons aged 65 and over	2,286
Physically handicapped or otherwise disabled persons under age 65	15
TOTAL	2,301

Number of treatments given during year -

In clinics	3,409
In patients' homes	1,741
In old people's homes	817
In chiropodists' surgeries	-
TOTAL	5,967

LOCAL AUTHORITY COMMUNITY HEALTH DENTAL SERVICES FOR EXPECTANT AND NURSING MOTHERS AND CHILDREN UNDER 5 YEARS

A. Attendances and Treatments.

	Children 0-4 (incl.)	Expectant and Nursing Mothers
First Visit	75	25
Subsequent Visits	183	39
Total Visits	258	64
Number of Additional Courses of Treatment other than the First Course commenced during year	5	-
Treatment provided during the year - Number of fillings	191	49
Teeth Filled	167	39
Teeth Extracted	106	51
General Anaesthetics given	53	6
Emergency Visits by Patients	9	3
Patients X-Rayed	-	3
Patients Treated by Scaling and/or Removal of Stains from the teeth (Prophylaxis)	8	3
Teeth Otherwise Conserved	11	
Number of Courses of Treatment Completed during the year	17	3

B. Prosthetics.

	Children 0-4 (incl)	Expectant and Nursing Mothers
Patients Supplied with F.U. or F.L. (First Time)	-	2
Patients Supplied with Other Dentures	-	1
Number of Dentures Supplied	-	2

Part C. Anaesthetics.

General Anaesthetics Administered by Dental Officers - Nil

D. Inspections.

	Children 0-4 (incl)	Expectant and Nursing Mothers
Number of Patients given First Inspections During year	101	13
Number of Patients in A and D above who required treatment	83	12
Number of Patients in B and E above who were offered treatment	83	12
Number of Patients re-inspected during year	-	-

E. Sessions.

No of Dental Officer Sessions (i.e. Equivalent Complete Half Days) Devoted to Maternity and Child Welfare Patients:

For Treatment - 105 For Health Education - Nil

